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VEHICLE SAFETY RATINGS ESTIMATED FROM POLICE REPORTED CRASH DATA: 2014 UPDATE

AUSTRALIAN AND NEW ZEALAND CRASHES DURING 1987-2012

by

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Report No. 323
August 2014

Project Sponsored By

MONASH UNIVERSITY ACCIDENT RESEARCH CENTRE
REPORT DOCUMENTATION PAGE

Report No.	Report Date	ISBN	ISSN	Pages
323	August 2014	0 7326 2393 6	1835-4815 (On-Line)	62 + Appendices

Title and sub-title:

VEHICLE SAFETY RATINGS ESTIMATED FROM POLICE REPORTED CRASH DATA: 2014 UPDATE AUSTRALIAN AND NEW ZEALAND CRASHES DURING 1987-2012

Author(s)

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Type of Report & Period Covered

Summary Report, 1982-2012

Sponsoring Organisations - This project was funded as contract research by the following organisations: Road Traffic Authority of NSW, Royal Automobile Club of Victoria, NRMA Motoring and Services, VicRoads, Royal Automobile Club of Western Australia, Transport Accident Commission, New Zealand Transport Agency, the New Zealand Automobile Association, Queensland Department of Transport and Main Roads, Royal Automobile Club of Queensland, Royal Automobile Association of South Australia, South Australian Department of Planning, Transport and Infrastructure, Accident Compensation Corporation New Zealand and by grants from the Australian Government Department of Infrastructure and Transport and the Road Safety Council of Western Australia.

Abstract:

This study describes the calculation of updated ratings that measure the relative safety of vehicles in preventing severe injury to people involved in crashes. Three different aspects of secondary safety are examined: crashworthiness which focuses on drivers of the rated vehicle, aggressivity which focuses on drivers of other vehicles and unprotected road users such as pedestrians, cyclists and motorcyclists colliding with the rated vehicle and total secondary safety which examines the combined crashworthiness and aggressivity performance of the rated vehicle. Updated ratings for 1982-2012 model vehicles were estimated based on data on crashes in Victoria and New South Wales during 1987-2012, in Queensland, Western Australia and New Zealand during 1991-2012 and in South Australia during 1995-2012. Each rating is measured as a combination of injury severity (the risk of death or serious injury given an injury was sustained) and injury risk (the risk of injury given crash involvement). The ratings were adjusted for the sex and age of the person whose injury outcome was being measured, speed limit at the crash location, number of vehicles, crash configuration and type or road user involved where relevant, the jurisdiction in which the crash occurred and the year in which the crash occurred. These factors were strongly related to the risk of an injury being sustained in the crash and the likelihood of injuries sustained being severe. Each rating estimates the risk of being killed or admitted to hospital when involved in a crash, to a degree of accuracy represented by the confidence limits of the rating in each case.

Crashworthiness estimates and their associated confidence limits were obtained for 562 vehicle models classified into 10 market groups. Aggressivity rating estimates and their associated confidence limits were obtained for 500 vehicle models. The total secondary safety index estimates and their associated confidence limits were obtained for 617 vehicle models classified into 10 market groups. A method for presenting the ratings for consumer information is also described. The rating presentation classifies vehicles according to where their rating lies in relation to a best performance benchmark.

The relationship between vehicle crashworthiness and the year of manufacture of Australian passenger and light commercial vehicles manufactured from 1964 to 2012 was also investigated. Trends were examined by year of manufacture both for the fleet as a whole and by market group for vehicles manufactured from 1982 to 2012.

The results of this report are based on a number of assumptions and warrant a number of qualifications that should be noted.

Key Words: (IRRD except when marked*)

Injury, Vehicle Occupant, Collision, Passenger Car Unit, Passive Safety System, Statistics

Disclaimer:

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EXECUTIVE SUMMARY

This report describes the development of further updated vehicle secondary safety ratings for 1982-2012 model vehicles. The ratings produced cover vehicle crashworthiness, aggressivity and total secondary safety. Crashworthiness ratings measure the relative safety of vehicles in preventing severe injury to their own drivers in crashes whilst aggressivity ratings measure the serious injury risk vehicles pose to other road users with which they collide. The aggressivity rating measure is based on collisions between the vehicle being rated and both other vehicles and unprotected road users including pedestrians, bicyclists and motorcyclists. The total secondary safety index measure integrates into one measure the combined crashworthiness and aggressivity performance of a vehicle in a way most representative of the crash population involving the vehicle fleet being rated. It considers relative injury outcomes in the full range of crashes involving light passenger vehicles including single and multi vehicle crashes, crashes with heavy vehicle and crashes involving unprotected road users.

All three measures of vehicle secondary safety performance are estimated from data on real crashes reported to police. The update is based on crash data from Victoria and New South Wales during 1987-2012, from Queensland, Western Australia and New Zealand during 1991-2012 and from South Australia during 1995-2012. Each of the 3 ratings sets was measured by a combination of injury severity (the risk of death or serious injury given an injury was sustained) and injury risk (the risk of injury given crash involvement). As far as possible, each index reflects the secondary safety performance related to vehicle design alone by controlling for a range of non-vehicle related factors known to affect injury outcome. Non-vehicle related factors considered were the sex and age of the person whose injury outcome was being measured, speed limit at the crash location, number of vehicles involved, the jurisdiction in which the crash occurred and the year in which the crash occurred. For each measure these factors were strongly related to injury risk and/or severity. In addition to the above factors the total secondary safety rating was also adjusted for the type of crash and road user combination.

The crashworthiness ratings estimate the risk of a driver of the focus vehicle being killed or admitted to hospital when involved in a tow-away crash, to a degree of accuracy represented by the confidence limits of the rating in each case. Crashworthiness ratings and their associated confidence limits were calculated for 562 individual vehicle models manufactured between the years 1982-2012. Vehicles were classified into one of 10 market groups for presentation of the ratings with average crashworthiness of vehicles in each market group estimated.

The measure of aggressivity was calculated for 500 models of Australian and New Zealand passenger vehicles manufactured between the years 1982-2012. The aggressivity ratings estimate the risk of a vehicle driver or unprotected road user impacting with the focus vehicle model being killed or admitted to hospital when involved in a crash. Average aggressivity for vehicles in each of the 10 defined market groups was also estimated. Estimated vehicle aggressivity towards drivers of other vehicles or unprotected road users was found to have little or no relationship with ratings of vehicle crashworthiness, demonstrating the independence of the two complementary measures.

The total secondary safety index measures the average risk of death or serious injury to all light passenger vehicle drivers and unprotected road users (pedestrians, cyclists and

motorcyclists) when involved in a crash with the rated light passenger vehicle to a degree of accuracy represented by the confidence limits of the index in each case. It is a measure of the combined crashworthiness and aggressivity performance of the rated vehicle. Total secondary safety index estimates and their associated confidence limits were obtained for 617 vehicle models classified into 10 market groups.

Estimated total secondary safety was found to have a stronger relationship with ratings of vehicle crashworthiness than with vehicle aggressivity. This reflects that crashworthiness is relevant to the injury outcome of road users in a wider range of crash types than are covered by the aggressivity ratings. The index serves as a valuable summary of overall secondary safety of light passenger vehicles both for consumer information as well as for regulators and vehicle safety advocates in identifying and promoting vehicle safety characteristics that optimise overall secondary safety characteristics.

For each type of rating estimated, the expanded data set has been able to produce more up-to-date and reliable estimates for individual car models than those published previously. A method of presenting the ratings for consumer information is described. The new rating presentation classifies vehicles according to where their rating lies in relation to a best performance benchmark.

The crashworthiness of passenger vehicles in the Australian vehicle fleet (cars, station wagons, four wheel drives and vans), has been estimated by year of manufacture for the years 1964 to 2012. This study further updates the original one by Cameron et al (1994a) for years of manufacture 1964 to 1992. Updated trends in Australian crashworthiness by year of manufacture show similar patterns as previously obtained with the greatest gains over the years 1970 to 1979 in which a number of new Australian Design Rules aimed at occupant protection took effect. Further significant gains in crashworthiness have also been observed over the years 1988 to 2011, with notable steady gains from 1988 to 1996 and since 2001. Trends in crashworthiness by year of vehicle manufacture from 1982 to 2012 for each of the 10 vehicle market groups were also estimated showing differential improvement in crashworthiness by market group by year of manufacture.

The results and conclusions are based on a number of assumptions and warrant a number of qualifications that should be noted.

ACKNOWLEDGMENTS

A project as large and complex as this could not have been carried out without the help and support of a number of people. The authors particularly wish to acknowledge:

- Mr Michael Case and Nick Platt of the RACV for their support of the project and for advice on substantive changes in designs of specific models over the years.
- Mr Dan Leavy of the Centre for Road Safety, Transport for New South Wales, for his support of the project and the release of data from NSW Police crash reports and the NSW vehicle register.
- Mr Jack Haley of NRMA Motoring and Services for his support of the project, for providing procedures to determine the models of vehicles crashing.
- Mr John Goldsworthy and Mr Mark Terrell of the Australian Commonwealth Government Department of Infrastructure and Transport for their support of the project.
- Mr Alex Forrest of the RACWA for his support for the project.
- Mr Chris Jones of VicRoads for his support of the project.
- Mr Jon Gibson and Mr Iain Cameron of the Western Australian Office of Road Safety for their support of the project.
- Mr Stuart Worden of the NZ Transport Agency for his support of the project.
- Ms Stella Stocks of AA New Zealand for her support of the project.
- Mr Steve Spalding of the Royal Automobile Club of Queensland for his support of the project.
- Mr Mark Borlace of RAA South Australia for his support of the project.
- Mr Anant Bellary of Queensland Transport and Main Roads for his support of the project.
- Mr Matthew Leyson from the South Australian Department of Planning, Transport and Infrastructure for his support of the project.
- Mr Paul Gimblett from the New Zealand Accident Compensation Corporation for his support of the project.
- Ms Maria Pappas of NRMA who developed and applied the procedures to determine the models of vehicles recorded in the police crash reports through decoding of Vehicle Identification Numbers.
- Mr Michael Nieuwesteeg of the Transport Accident Commission (TAC) for the provision of TAC claims data and Ms Samantha Cockfield of the TAC for her support of the project.
- VicRoads Information Services Division for the provision of data from Victorian Police crash reports.
- Professor Caroline Finch, Mr Tri Minh Le, Mr Michael Skalova and Ms Chau My Le, all formerly of MUARC, for the development of the analysis methods in earlier years that formed the basis of the methods used in this report.

- Dr Alan Miller, formerly of the CSIRO Division of Mathematics and Statistics for suggesting analysis methods used in this report to improve the sensitivity of the results and to determine the confidence limits of the estimates.
- Mr Geoff Murray, Mr Wesley Soet and Ms Shuk Jin of the Department of Main Roads Western Australia for the provision of data from Western Australia Police crash reports.
- Mr Ken Brandis of the Western Australian Department for Planning and Infrastructure for the provision of Western Australia registration data.
- Mr Steve Lippett of the Department for Planning, Transport and Infrastructure of South Australia for the provision of data from South Australia Police crash reports and Mr Harry McDonald of the Department for Planning, Transport and Infrastructure of South Australia for the matching of registration data to South Australia crash data.
- Mr Stuart Badger of the NZ Ministry of Transport for supply of the New Zealand crash data and advice on its use in the project.
- Kheang Chrun of Land Transport NZ for supply of the New Zealand vehicle registration data and advice on its use in the project.
- Officers of the Data Analysis Unit of Queensland Transport and Main Roads for the provision of data from Queensland Police crash reports and the Queensland vehicle registration system.
- Officers of the Victorian, NSW, Western Australian, Queensland, South Australia and New Zealand Police Forces and of the Transport Accident Commission who diligently recorded the information on crashes and injuries which formed the basis of this report.

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VEHICLE SAFETY RATINGS ESTIMATED FROM POLICE REPORTED CRASH DATA: 2014 UPDATE

AUSTRALIAN AND NEW ZEALAND CRASHES DURING 1987-2012

1. INTRODUCTION

For over two decades the Monash University Accident Research Centre (MUARC) has been involved in a program of research examining issues relating to vehicle safety in both Australia and New Zealand through the analysis of mass data records on crashes reported to police. Data on which the research to date are based has come from reports compiled by police in various states across Australia and in New Zealand. In Victoria, some of the police reported crash data have been augmented by data on injury compensation claims resulting from transportation crashes compiled by the Victorian Transport Accident Commission (TAC).

A principal focus of the research program has been to produce vehicle secondary safety ratings for specific makes and models of vehicles and by market group of vehicle. For many years the ratings have focused on two aspects of vehicle safety performance: crashworthiness, being the ability of a vehicle to protect its own occupants in the event of a crash, and aggressivity, the ability of a vehicle to protect other road users with which it collides. More recently, an overall secondary safety ratings measure has been developed called the total secondary safety rating. It measures the combined relative crashworthiness and aggressivity performance of various makes and models of vehicles based on exposure to the mix of major crash types on Australasian roads where vehicle crashworthiness and/or aggressivity are important in determining injury outcomes.

The ratings have been updated at regular intervals (Newstead et al 1996, Newstead et al 1997, Newstead et al 1998, Newstead et al 1999, Newstead et al 2000, Newstead et al 2003a, Newstead et al 2004b, Newstead et al 2005b, Newstead et al 2006, Newstead et al 2007a, 2007b, Newstead et al 2008a, 2008b, Newstead et al 2009a, 2009b, Newstead et al 2010a, 2010b, Newstead et al 2011a, 2011b, Newstead et al 2012a, 2012b, Newstead et al 2013a, 2013b). The most recent prior update covered vehicles manufactured over the period 1982-2011 and crashing during 1987-2011. Progressive enhancement of the methods of statistical analysis has been incorporated through the ratings updates. From 1999 the ratings incorporated police-reported crash data from Queensland whereas previously only crash data from New South Wales and Victoria had been used. From 2003 the ratings also added police-reported crash data from Western Australia. From 2004 the ratings included police-reported crash data from New Zealand after a rigorous program of research establishing the comparability of vehicles between the Australian and New Zealand vehicle fleets in terms of their specification and secondary safety performance (Voyce, 2000; Robinson, 2000a,b, Newstead, 2000b, Newstead, 2002, Newstead et al 2003b). From 2007 the ratings also added police-reported crash data from South Australia. The crashworthiness ratings covered individual models of sedans, station wagons, four wheel drives, passenger vans and light commercial vehicles and are given as estimates of risk of severe injury for each model along with 90% and 95% confidence limits on each estimate.

The ratings have been published annually by the agencies supporting the research as a source of consumer information to aid the purchase of safe vehicles. They are marketed as the Used Car Safety Ratings reflecting the fact that ratings can only be produced some time after a vehicle is released for sale once sufficient real world crash experience has been accumulated. It also differentiates these ratings from those derived under the Australasian New Car Assessment Program based on crash barrier testing results which are targeted largely at new vehicle buyers.

1.1 Crashworthiness Ratings

Crashworthiness ratings rate the relative safety of vehicles in protecting their own occupants by examining injury outcomes to drivers in real world crashes reported to police. The

crashworthiness rating of a vehicle in the ratings system used in this report is a measure of the risk of death or serious injury to a driver of that vehicle when it is involved in a crash. This risk is estimated from large numbers of records of injury to drivers of that vehicle type involved in real crashes on the road. It is measured in two components:

1. Rate of injury for drivers involved in crashes where a vehicle is towed away or someone is injured (injury risk)
2. Rate of serious injury (death or hospital admission) for injured drivers (injury severity).

Multiplying these two rates together forms the crashworthiness rating. This is a measure of the risk of serious injury for drivers involved in crashes where a vehicle is towed away or someone is injured. Measuring crashworthiness as a product of two components, reflecting risk and severity of injury respectively, was first developed by Folksam Insurance, which publishes the well-known Swedish ratings (Gustafsson et al 1989) and were first published in Australia in Cameron et al (1994a,b). These ratings use an analysis method that was developed to maximise the reliability and sensitivity of the results from the available data whilst adjusting for the effects on injury outcome of non-vehicle factors that differ between vehicles. In addition to the speed zone and driver sex, the method of analysis adjusts for the effects of driver age and the number of vehicles involved, producing results with all those factors taken into account.

1.2 Aggressivity Ratings

The aggressivity measure used in the Australian vehicle safety rating system estimates the risk of the driver of another car or an unprotected road user (pedestrian, bicyclist or motorcyclist) being killed or seriously injured when involved in a collision with the subject model vehicle. It is representative of the total aggressivity performance of the vehicles being rated across all potential collision partners that are susceptible to injury. Like the crashworthiness measure, it is calculated as the product of two component measures, one measuring injury risk the other measuring injury severity.

Because an estimate of the risk of injury cannot be calculated for unprotected road users since crashes are generally not reported to the police when the unprotected road user is uninjured, the measure of aggressivity injury risk is based only on the injury risk to the drivers of other vehicles (ROU). It is defined as:

Aggressivity Injury Risk = ROU = proportion of other vehicle drivers involved in crashes who were injured

In contrast, complete records of both other drivers and unprotected road users injured in crashes are available in police reported crash data and can be used to examine injury severity outcomes in the aggressivity measure. The aggressivity injury severity measure (SOU) is defined as:

Aggressivity Injury Severity = SOU = proportion of other vehicle drivers or unprotected road users who were killed or admitted to hospital.

The aggressivity measure for each subject car model is then calculated as:

Aggressivity to other driver or unprotected road user = AOU = ROU x SOU.

Like the crashworthiness ratings, the aggressivity measure was adjusted for the effects of non-vehicle factors differing between the subject car models which may have affected injury outcome to the driver of the other vehicle. Non-vehicle factors available in the data included:

- speed limit at the crash location
- subject vehicle driver age (younger drivers may be driving at relatively fast speeds not fully represented by the speed limit)
- subject vehicle driver sex (male drivers may be driving at relatively fast speeds or more aggressively)
- other car occupant age (older occupants are more susceptible to injury)
- other car occupant sex (female occupants are more susceptible to injury, but males appear to be associated with relatively high injury severities)
- collision partner type (vehicle, pedestrian, bicyclist or motorcyclist) (injury severity analysis only)

1.3 Total Secondary Safety Index

Past presentations of the crashworthiness and aggressivity ratings for consumer information simply present the two ratings side by side. This leaves the consumer to decide the relative importance of each rating in making a decision on vehicle safety priority in their purchasing decision. From a consumer information perspective, this might seem a good strategy as it allows the consumer to balance the relative priority they give to their own safety versus the safety of other road users on an individual basis. However, it may not be ideal from the perspective of trying to steer the vehicle fleet as a whole in the direction of optimum safety which should be the overarching priority for safety advocates, regulators and, indeed, the community as a whole. If consumers generally based their vehicle choices only on crashworthiness performance and largely ignored aggressivity, sub optimal choices on a community wide safety basis may result. Similar sub-optimal choices may result if only aggressivity were considered. A desire to optimise vehicle secondary safety on a whole of community basis highlights the need for an index which combines the crashworthiness and aggressivity performance of a vehicle into a single index. The total safety index captures the overall secondary safety of the vehicle in the most meaningful way for the environment in which it is driven and hence crash circumstances to which it is exposed.

The international vehicle safety literature shows a paucity of effort in developing such an index. The only group to have given the concept serious consideration are the University of Oulu transport research group in Finland (Huttula et al, 1997). The Finnish group have measures of vehicle aggressivity and crashworthiness similar in concept to those developed by MUARC. From these they have developed a total passive safety index which is essentially the sum of the crashworthiness and aggressivity measures for each vehicle. Deriving the total passive safety index in this way implicitly assumes that crashworthiness and aggressivity have equal weighting in the overall passive safety performance of a vehicle. Whether this is the most appropriate approach is questionable since the relative balance of importance between crashworthiness and aggressivity will depend on the mix of crash circumstances the vehicle is exposed to.

A more detailed approach to the issue of estimating total vehicle passive or secondary safety has been explored in Newstead et al (2004a) and Newstead et al (2004b). This work, based on analysis of Australian crash data, commenced by identifying the four primary crash types in which light passenger vehicles were involved and identifying the principal injury outcomes of interest in the crash. The crash types identified were:

1. Crashes between two light passenger vehicles:

2. Single light passenger vehicle crashes.

3. Crashes between a light passenger vehicle and a heavy vehicle (bus, rigid truck or articulated truck).

4. Crashes between a light passenger vehicle and unprotected road user (pedestrian, bicyclist or motorcyclist).

The total secondary safety index defined by Newstead et al (2004b) was calculated by broad market group of vehicle and was a weighted average of four individual crashworthiness or aggressivity based measures. They are:

1. The crashworthiness of the light passenger vehicle in crashes between two light vehicles as a function of its impact partner market group (embodying both the crashworthiness of the focus vehicle market group as well as the aggressivity of the impact partner vehicle market group) – Crash type 1.
2. The crashworthiness of the light passenger vehicle in single vehicle crashes – Crash type 2.
3. The crashworthiness of the light passenger vehicle in crashes with heavy vehicles as a function of the heavy vehicle type – Crash type 3
4. The aggressivity of the light passenger vehicle towards unprotected road users – Crash type 4.

The total secondary safety index was defined as the weighted average of each of the four safety measures with the weighting factors used being the proportionate representation of each of the four crash types. As such, it represented the overall secondary safety performance of a vehicle, classified by market group in this case, in protecting all road users involved in the full range of crashes reflecting the relative incidence of each major crash type.

It is evident from examining the form of the total secondary safety index that the traditional measure of overall vehicle crashworthiness performance is embodied in the safety measures relating to crash types 1, 2, and 3. The traditional aggressivity measure is embodied in the safety measures relating to crash types 1 and 4. Constructing the total secondary safety index in this way is similar in basic principle to the approach used by the Oulu researchers. However it differs in the fact that it gives appropriate weighting to each aspect of a vehicle's secondary safety performance by weighting each component according to its relevance in Australian real world circumstances.

The work of Newstead et al (2004a) and Newstead et al (2004b) was useful in, for the first time, defining an overall secondary safety index for light passenger vehicles relevant to Australian circumstances. It was then able to use the index effectively to quantify the broad overall secondary safety effects of changing the mix of vehicles in the fleet. The index did, however, have some limitations related to the manual construction of the index from its components. First, there had to be sufficient data to estimate each of the component safety measures comprising the index. In the demonstration of the methodology this meant results could only be obtained by broad market group of vehicle and not for individual makes and models of vehicle. Second, estimates of statistical confidence on the index could not be estimated due to its complex nature.

Both these difficulties highlighted the need for development of an integrated total secondary safety index that could be estimated by vehicle make and model with associated estimates of statistical confidence.

Building on the approach to modelling vehicle total secondary safety demonstrated in Newstead et al (2004a) and Newstead et al (2004b), the study of Newstead et al (2007c) developed and applied an integrated single index of total secondary safety for light passenger vehicles in the Australian and New Zealand vehicle fleets. The index measures the average risk of death or serious injury to light passenger vehicle drivers and unprotected road users (pedestrians, cyclists and motorcyclists) when involved in a crash with a light passenger vehicle to a degree of accuracy represented by the confidence limits of the index in each case. It provides an overall summary of the combined crashworthiness and aggressivity performance of a vehicle. The index was measured by a combination of injury severity (the risk of death or serious injury given an injury was sustained) and injury risk (the risk of injury given crash involvement).As far as possible, the index reflects the total secondary safety performance related to vehicle design alone by controlling for a range of non-vehicle related factors known to affect injury outcome. The index was adjusted for the sex and age of the person whose injury outcome was being measured, speed limit at the crash location, number of vehicles involved, the jurisdiction in which the crash occurred and the year in which the crash occurred. These factors were strongly related to injury risk and/or severity. In addition to the above factors this rating was also adjusted for the type of crash and road user combination as this factor was strongly related to injury risk and/or severity.

The index serves as a valuable summary of overall secondary safety of light passenger vehicles both for consumer information as well as for regulators and vehicle safety advocates in identifying and promoting vehicle safety characteristics that optimise overall secondary safety characteristics.

1.4 Trends in Vehicle Safety by Year of Manufacture and Market Group

Another focus of the vehicle crashworthiness ratings study has been to track historical improvements in the average crashworthiness of the Australian vehicle fleet since 1964. In 1994, the Royal Automobile Club of Victoria (RACV) commissioned a study to investigate the effects of the year of manufacture of vehicles (vehicle year) on their road safety (Cameron et al 1994c). This project focused on investigating the relationship between crashworthiness and vehicle year of manufacture for the years 1964 to 1992. The aim of the original study of Cameron et al (1994c) was, to the extent possible, to measure the crashworthiness of vehicles of different years of manufacture. The method employed was designed to eliminate the influence of other key factors affecting the risk of injury that might also be associated with vehicle year (e.g. driver age and sex, use on high speed roads, etc.).

The original study of Cameron et al (1994c) showed that the crashworthiness of passenger vehicles in Australia has improved over the years of manufacture 1964 to 1992 with rapid improvement over the years from about 1970 to 1979. Drivers of vehicles manufactured during 1970 to 1979 could be expected to have benefited from the implementation of a number of Australian Design Rules (ADRs) for motor vehicle safety which previous research has shown to be effective in providing occupant protection. The study has been updated with each vehicle crashworthiness ratings update. The most recent analysis included vehicles with years of manufacture from 1964 to 2011 (Newstead et al 2013a, 2013b). Similar analyses have been undertaken for the New Zealand vehicle fleet by Newstead and Watson (2005a) showing quite different trends in crashworthiness by year of manufacture to that observed in the Australian

fleet reflecting the different regulatory frameworks across the two countries and the significant used vehicle import program in operation in New Zealand.

Extending the basic analysis, Newstead and Cameron (2001) examined trends in vehicle crashworthiness by year of manufacture from 1982 to 1998 within specific vehicle market groups. Vehicles were grouped into 4 market categories: small cars (<1100kg), medium cars (1100-1400kg), large cars (>1400kg) and sports utility vehicles (four wheel drive vehicles). Results of analysis found statistically significant differences in the trends in crashworthiness by year of manufacture between different market groups in both the injury risk and injury severity components of the crashworthiness measure. This analysis was most recently updated in Newstead et al (2013a, 2013b) for vehicles manufactured over the years 1982-2011 and grouped into 10 market classifications.

Using similar methods to those used for investigating trends in crashworthiness by year of manufacture, Newstead et al (2004a) has investigated trends in aggressivity by year of vehicle manufacture for the Australian fleet as a whole as well as by 8 broad market group classifications. Although differential trends in aggressivity were found between the various market groups of vehicle analysed, for the Australian vehicle fleet as a whole there has been no significant trend to improving or worsening aggressivity over the years of manufacture studied from 1964 to 2000.

1.5 Project Aims

The aim of this project was to update the previously published crashworthiness, aggressivity and total safety ratings of Newstead et al (2013a, 2013b) including additional crash data from the year 2012 for Victoria, New South Wales, South Australia, Western Australia and New Zealand and complete 2010 and incomplete 2011 and 2012 crash data for Queensland. The updated ratings aimed to cover the drivers of light passenger vehicles including cars, station wagons, four wheel drive vehicles, passenger vans, and light commercial vehicles manufactured during 1982-2012 and crashing in Victoria or NSW during 1987-2012 or South Australia during 1995-2012 or Western Australia and New Zealand during 1991-2012 or Queensland during 1991-2012.

This project also aimed to update the estimates of crashworthiness by vehicle year of manufacture for the Australian vehicle fleet to include vehicles manufactured over the years 1964 to 2012. For vehicle models from 1982 to 2012 that could be classified into a market grouping, the project also aimed to further investigate trends in crashworthiness of the Australian vehicle fleet by year of vehicle manufacture within each specific market group.

The study also aimed to further asses the relationships between vehicle crashworthiness and both the year of manufacture for all vehicles and the year of first registration for used vehicle imports in New Zealand. The study focused on light passenger vehicles manufactured from 1964 to 2012 and crashing in New Zealand during 1991 to 2012. The results are published separately in a supplement to this report.

2. CRASH DATA

Data from Victoria, New South Wales, Queensland, South Australia, Western Australia and New Zealand used to produce the vehicle safety ratings of Newstead et al (2013a) covering vehicles manufactured over the period 1982-2011 and crashing during the years 1987-2011 was again used here. In addition, data for 2012 from each of the five previously included Australian states and New Zealand were obtained and integrated bringing the total period of crash data covered to 1987-2012. Subsets of these data were taken in order to estimate the total secondary safety, crashworthiness and aggressivity measures. Similarly, data from Victoria, New South Wales, Queensland, South Australia and Western Australia used to produce the crashworthiness by year of manufacture estimates of Newstead et al (2013a) covering vehicles manufactured over the period 1964-2011 and crashing during the years 1987-2011 were again used here in conjunction with the additional data collected for 2012. The methods of selecting appropriate cases from each data source will be detailed here.

2.1 Victorian Crashes

Transport Accident Commission (TAC) injury claims from all types of road users who were involved in crashes in the period 1987 to 1998 had been merged with Police crash reports for the previous crashworthiness ratings. The Police reports were for all persons involved in crashes regardless of the Police officer recording the person as injured or uninjured. This procedure was followed because it was possible for an injury claim to be made in circumstances where injury was not apparent at the time of the crash. Crashes are reported to the Police in Victoria if a person is killed or injured, if property is damaged but names and addresses are not exchanged, or if a possible breach of the Road Traffic Regulations has occurred (Green 1990). The levels of matching of TAC claims with persons recorded on Police reports for each year during 1987-1998 achieved by Newstead et al (2003a) are shown in Table 1. The methods of matching for the data are detailed in Cameron et al (1994b).

Due to a breakdown in the matching process from 1999 subsequent updates of the ratings have used police crash data unmatched with TAC claims, although matched data prior to 1999 were still used. Any inconsistencies in injury severity coding introduced by changing from matched to unmatched data were controlled for in the analysis methodology through compensating for year of crash differences.

Table 1: *TAC claims for injury compensation from crashes during 1987-1998*

Year	TAC claims (all types of injured road users)	TAC claims matched with Police reports	Match rate (%)
1987	30,892	17,509	56.7
1988	28,427	16,672	58.6
1989	25,399	17,494	66.3
1990	19,633	13,886	70.7
1991	19,538	12,774	65.4
1992	19,251	13,118	68.1
1993	18,590	12,618	67.8
1994	19,341	11,927	61.6
1995	20,189	12,452	61.7
1996	19,954	14,034	70.3
1997	18,754	13,036	69.5
1998	18,561	12,395	66.8

Changes to the police data collection system in Victoria during 2005 meant that only data to about September 2005 were available for the update of Newstead et al (2007a). In the update of Newstead et al (2008a) complete 2005 crash data and 2006 crash data to about the end of September were available. In the update of Newstead et al (2009a) complete 2006 crash data and 2007 crash data to about the end of September were available. In the update of Newstead et al (2010a) complete 2007 and 2008 crash data were available. In the updates of Newstead et al (2011a) and Newstead et al (2012a) complete 2009 and 2010 crash data were available respectively. In the most recent update of Newstead et al (2013a) complete 2011 crash data were included. In this update complete 2012 crash data were available. Unmatched Victorian crash data for 2012 represented 8,974 injured drivers of the 1982-2012 model vehicles involved in a crash in Victoria. These records were combined with the merged files of TAC claims with Police reports for 1987-1998 and police reported data only from 1999-2011, which represented 166,214 injured drivers of the 1982-2011 model vehicles crashing during 1987-2011. The resulting file covered 175,188 injured drivers of the 1982-2012 model cars. The information on these drivers was combined with data on drivers injured in the other four jurisdictions (see Section 2.6) to produce the updated crashworthiness ratings. For the study of crashworthiness by year of vehicle manufacture the merged TAC claims for injury during 1987-98 and police crash records during 1999-2012 covered the 220,243 injured drivers of cars, station wagons or taxis manufactured over the years 1964-2012.

Calculation of aggressivity ratings required selecting vehicles involved in two car crashes followed by matching of the vehicle and occupant injury details for the two cars involved in the crash. For those vehicles manufactured over the period 1982 to 2012, injury details for the driver of the other vehicle in the crash were matched by returning to the full Victorian Police reported crash data files for 1987-2012. The data matching process identified 111,171 vehicles manufactured between 1982 and 2012 that had been involved in a crash with one other vehicle where the other vehicle had no restriction on its year of manufacture. Of the drivers of these other vehicles, 59,983 were injured and 51,194 were uninjured. It was not possible to use the uninjured records from the Victorian data, as they were incomplete due to the fact that only crashes involving injury are reliably reported in Victoria. Hence only the 59,983 records of other

driver injury were used for calculation of the injury severity component of the vehicle aggressivity ratings. Of the 59,983 injured drivers, 13,654 were severely injured.

Collisions between a single vehicle and an unprotected road user where the vehicles were restricted to those manufactured between 1982 and 2012 were also identified for calculation of the aggressivity ratings using a variable identifying accident type from records for the years 1987 to 2012. Vehicles were matched with the unprotected road user casualty records to obtain the unprotected road user injury level. For the period 1987 to 2012, 30,656 unprotected road users were matched with vehicle records with an identified make and model and manufactured between 1982 and 2012. Of these 30,656 unprotected road users, 30,406 were injured, 12,576 seriously.

2.2 New South Wales Crashes

The Roads and Traffic Authority (RTA) in New South Wales supplied files covering 1,610,966 light passenger vehicles manufactured from 1982 to 2012 involved in Police reported crashes during 1987-2012 that resulted in death or injury or a vehicle being towed away. Model and year of manufacture have been added to each vehicle after matching with the NSW vehicle register via registration number and vehicle make. This was achieved using a procedure developed by the NRMA. The total crash files covered four wheel drive vehicles, passenger vans, and light commercial vehicles as well as cars and station wagons of all years of manufacture crashing in 1987 to 2012. The method of assembly of this data is given in Cameron et al (1994b).

NSW crash data files from 1987 to 1998 had injury severity of people involved in crashes coded using a four level scale. Levels used were: fatality, hospital admission, other injury and not injured. From 1998 onwards, the RTA identified inaccuracies by the Police in reporting injury severity that could not be rectified. In response, the RTA changed the injury severity coding in the NSW crash data to give only three levels: fatality; injury; and not injured. For the purpose of computing crashworthiness ratings, this meant the NSW data for 1999-2012 could not be used to estimate the injury severity measure in the same manner as previous rating updates.

Preparation of the NSW data for final analysis involved merging the files with vehicle information, including driver age and gender, with files supplied by NSW RTA covering details of the person casualties (killed and injured persons) and the reported crashes for the same years. Each vehicle/driver matched uniquely with the corresponding crash information, but only injured drivers could match with persons in the casualty files. A driver who did not match was considered to be uninjured. Of the 1,610,966 drivers involved in tow-away crashes, 282,430 were injured. Of the injured drivers, 72,678 were injured in crashes from 1987 to 1998 and had a valid injury severity level coded (serious or other injury).

Of the 1,610,966 1982-2012 model year vehicles involved in crashes in NSW, 441,205 were coded as being involved in crashes with one other traffic unit (i.e. the crash involved a total of two traffic units). In order to compare occupant injury levels in crashes involving two vehicles, it was necessary to match the crash and occupant injury information for each of the two vehicles involved in the crash.

The data used for calculation of the crashworthiness ratings covered only vehicles manufactured from 1982 to 2012. Consequently, initial matching of only the crashworthiness data to determine pairs of vehicles involved in a crash identified both of the vehicles in the crash when both vehicles were manufactured from 1982 to 2012. A second matching stage was then required to

identify the details of drivers of vehicles manufactured before 1982 that had collided with the unmatched 1982-2012 model year vehicles in the crashworthiness file. This required retrieval of the remaining crash records in the 1987-2012 NSW crash files not used for crashworthiness ratings in order to match vehicles manufactured prior to 1982. The two-stage data matching process identified 441,205 matched records of vehicles manufactured between 1982 and 2012 that had been involved in a crash with one other vehicle where the other vehicle had no restriction on its year of manufacture. Of the drivers of these other vehicles, 66,880 were injured. Of the injured drivers, 19,928 were injured in crashes from 1987 to 1998 and had a valid injury severity level coded (serious or other injury).

Calculation of the aggressivity rating also required the identification of crashes between a single light vehicle and an unprotected road user where the vehicles were restricted to those manufactured between 1982 and 2012. The required crashes were identified using a variable identifying the accident type. Casualty records for the crash years 1987 to 2012 were used to identify unprotected road users injured in a collision with one vehicle. The vehicles were then matched with the unprotected road user casualty records to obtain the pedestrian, bicyclist or motorcyclist injury level. For the period 1987 to 2012, 66,282 unprotected road users were matched with vehicle records. Of these 66,282 unprotected road users, 26,869 were injured in crashes from 1987 to 1998 and had a valid injury severity level coded. Of these, 8,486 were seriously injured.

For the study of crashworthiness by vehicle year of manufacture, the NSW data represented 1,878,415 drivers of cars, station wagons or taxis manufactured from 1964 to 2012 who were involved in tow-away crashes. Of these drivers, 323,915 were injured, 119,503 of these during 1987-1998 and with a valid injury severity code.

The presence of uninjured drivers in the merged data file meant that it was suitable for measuring the risk of driver injury (in cars sufficiently damaged to require towing). This contrasted with the Victorian and New Zealand data files, which could not be used to measure injury risk directly because not all uninjured drivers were included.

2.3 Queensland Crashes

Queensland Transport supplied files covering 519,581 light passenger vehicles involved in Police reported crashes during January 1991-December 2012 that resulted in death or injury or a vehicle being towed away. The files supplied covered years of vehicle manufacture from 1991-2012 including models of four wheel drive vehicles, passenger vans, and light commercial vehicles as well as cars and station wagons for which a model could be identified.

The vehicle files, which also contained links to separate files with driver age and sex, were merged with files supplied by Queensland Transport covering details of the person casualties (killed and injured persons) and the reported crashes for the same years. Each vehicle/driver matched uniquely with the corresponding crash information, but only injured drivers could match with persons in the casualty files. As for NSW, a driver who did not match was considered to be uninjured. Out of the 519,581 drivers involved in tow-away crashes, 147,607 were injured.

Of the 519,581 vehicles reported as crashed in Queensland and used in the estimation of crashworthiness ratings, 191,896 were coded as being involved in crashes with one other traffic unit (i.e. the crash involved a total of two traffic units). In order to compare occupant injury

levels between two vehicles involved in a crash, it was necessary to match the crash and occupant injury information for each of the two vehicles involved in the crash in the same manner as for NSW. Using the same two stage data matching process as used for NSW and described above, the process identified 191,896 vehicles manufactured between 1982 and 2012 that had been involved in a crash with one other vehicle where the other vehicle had no restriction on its year of manufacture. Of the drivers of these other vehicles, 56,316 were injured, 15,522 seriously. These records were used for calculation of vehicle aggressivity ratings toward drivers of other vehicles.

Records on unprotected road users involved in a crash with one light vehicle unit were retrieved and identified using variables classifying unit type and number of units in the crash. Single vehicle collisions were identified using a variable identifying unit type and number of vehicles in the crash. These vehicles were then matched with the unprotected road user casualty records to obtain the injury level. A total of 29,899 unprotected road users were matched with records on 1982-2012 year passenger vehicles with model details identified. Of these 29,899 unprotected road users, 29,213 were injured, 14,192 seriously.

For the study of crashworthiness by vehicle year of manufacture, the Queensland data represented 467,531 drivers of cars, station wagons or taxis manufactured from 1964 to 2012 who were involved in tow-away crashes. Of these drivers, 128,325 were injured. The number of vehicles crashing in Queensland and available for the year of manufacture analysis was less than expected. This is because a large proportion of the vehicles in the Queensland data from 1997 and 1998 had year of manufacture missing due to difficulties in accessing the vehicle register to determine vehicle details at the time of assembling the data from these two years. Some of the vehicles with missing year of manufacture could, however, be assigned an accurate model code through the VIN decoding process described below despite the missing field.

As with the data from NSW, the presence of uninjured drivers in the data file meant that it was also suitable for measuring the risk of driver injury (in cars sufficiently damaged to require towing).

2.4 Western Australia Crashes

The Western Australian Department of Main Roads maintains a database of all crashes in Western Australia reported to the police. Crashes in Western Australia must be reported to police if anyone involved is killed or injured or the crash results in property damage greater than $3,000 (Road Safety Council of Western Australia, 2001). This means that, like New South Wales, South Australia and Queensland, both injury and non-injury crashes are reported making the data suitable for inclusion in estimating both the injury risk and injury severity components of the vehicle safety ratings. Although the Western Australia crash data is held as a relational database, Western Australia Department of Main Roads supplied the data in a single flat file with a record for each person involved in a reported crash. Data covered the period 1991 to 2010. The data were re-issued in 2005 for the period 1991 to 2003 due to a change in database structure and variable definitions in 1995 that may have caused some inconsistency in the data over the entire time period. In 2006 the data were re-issued for the period 1991 to 2005 to include registration plates of crashed vehicles. This registration plate detail was used for matching to Western Australian registration data to obtain VIN data for vehicle decoding as described in Section 3.1. In the most recent update (Newstead et al 2013a), 2011 crash data were supplied with registration plates of crashed vehicles. In addition matched registration data were provided. The 2012 crash data for this update were supplied with registration plates of

crashed vehicles. This registration plate detail was used for matching to Western Australian registration data to obtain VIN data for vehicle decoding as described in Section 3.1.

The files supplied covered 1,256,152 light passenger vehicles manufactured between 1982 and 2012 involved in Police reported crashes during 1991-2012 that resulted in death or injury or a vehicle being towed away. The files supplied covered models of four wheel drive vehicles, passenger vans, and light commercial vehicles as well as cars and station wagons. Out of the 1,256,152 drivers involved in tow-away crashes, 174,272 were injured.

Of the 1,256,152 vehicles reported as crashed in WA and used in estimation of crashworthiness ratings, 755,249 were involved in crashes with one other traffic unit. Of the drivers of the matched vehicles, 90,033 were injured. These records were used for calculation of vehicle aggressivity ratings toward drivers of other vehicles.

Records on unprotected road users involved in a crash with one vehicle unit for the period 1991 to 2012 were retrieved and identified using variables classifying unit type and number of units in the crash. 43,297 unprotected road users in the Western Australia crash records were identified as colliding with a 1982-2012 year of manufacture passenger vehicle with model details identified. Of the 28,919 unprotected road users who were injured, 11,036 were severely injured.

For the study of crashworthiness by vehicle year of manufacture, the Western Australia data represented 1,096,856 drivers of cars, station wagons or taxis manufactured from 1964 to 2012 who were involved in tow-away crashes. Of these drivers, 150,608 were injured.

2.5 South Australia Crashes

The Road Crash Information Unit of the Department of Transport, Energy and Infrastructure maintains a database of all crashes in South Australia reported to the South Australian Police via vehicle crash reports. Crashes included involved at least one person being killed or injured, or a vehicle being towed away, or a total property damage of $3,000 or greater. Prior to 01 July 2003, the Department processed 'property damage only' crashes with an aggregated damage value of $1000 or greater. This change in property damage value occurred as data processing costs and budget reductions had reached an unsustainable level. The decision was made to process all casualty crashes, property damage only greater than $3000, and tow-away crashes regardless of value. Crash data were provided for the years 1995 to 2012 with three files provided for each year. The three files provided contain detail on the crash, traffic unit and casualties. In addition, data files have been provided with road and Local Government Area details. Like NSW, Queensland and Western Australia, both injury and non-injury crashes are reported making the data suitable for inclusion in estimating both the injury risk and injury severity components of the vehicle safety ratings.

The files supplied covered 798,531 light passenger vehicles manufactured between 1982 and 2012 involved in Police reported crashes during 1995-2012 that resulted in death or injury or a vehicle being towed away. The files supplied covered models of four wheel drive vehicles, passenger vans, and light commercial vehicles as well as cars and station wagons. Out of the 798,531 drivers involved in tow-away crashes, 75,296 were recorded as injured.

Of the 798,531 vehicles reported as crashed in South Australia and used in estimation of crashworthiness ratings, 489,361 were involved in crashes with one other traffic unit. Of the

drivers of the matched vehicles, 36,152 were injured. These records were used for calculation of vehicle aggressivity ratings toward drivers of other vehicles.

Records on unprotected road users involved in a crash with one vehicle unit for the period 1995 to 2012 were retrieved and identified using variables classifying unit type and number of units in the crash. 26,853 unprotected road users in the South Australia crash records were identified as colliding with a 1982-2012 year of manufacture passenger vehicle with model details identified. Of the 17,364 unprotected road users who were injured, 4,198 were severely injured.

For the study of crashworthiness by vehicle year of manufacture, the SA data represented 881,682 drivers of cars, station wagons or taxis manufactured from 1964 to 2012 who were involved in tow-away crashes. Of these drivers, 84,680 were injured.

2.6 Crash and Registration Data from New Zealand

Two sources of data from New Zealand were used in the calculation of vehicle crashworthiness and aggressivity ratings. The first data source provided was a crash file showing the registration, vehicle, driver and various crash characteristics for all police reported crashes in New Zealand for the years 1991 to 2012. The second data source was registration data giving details of all crash involved vehicles on the NZ register in each year from 1991 to 2012. Extracts from both data sources supplied for estimation of vehicle safety ratings are described below. The method of assembly of this data is given in Newstead et al (2007).

After assembling the data, 273,764 light passenger vehicles manufactured between 1982 and 2012 were used in the crashworthiness analysis. Of the drivers of these vehicles 129,783 were not injured or had unknown injury status, whilst the remaining 143,981 were injured to some degree. The injury details of the 143,981 injured drivers were used for estimation of the crashworthiness injury severity measure in conjunction with the Australian data. Records on the uninjured drivers in the New Zealand injury crash data could not be used in the calculation of the injury risk component of the crashworthiness ratings. This was because non-injury crashes in New Zealand, and hence uninjured drivers involved in these crashes, were not suitable for use in the analysis and therefore records on all uninjured drivers in all crashes in New Zealand were incomplete.

A subset of the New Zealand data described above and used for estimation of crashworthiness injury severity formed the basis of the data used in the calculation of the aggressivity ratings. For calculation of aggressivity ratings, vehicles involved in two vehicle crashes were identified. Of the drivers of vehicles colliding with the vehicles identified, 48,040 were injured whilst 39,112 were uninjured. Information on the injury level of the 48,040 injured drivers, 6,986 of whom were seriously injured, was used in conjunction with the Australian data to estimate the injury severity component of the aggressivity ratings.

Records on unprotected road users involved in a crash with one light vehicle unit for the period 1991 to 2012 were retrieved and identified using variables classifying unit type and number of units in the crash. 31,455 unprotected road users were identified as impacting with a 1982-2012 year of manufacture passenger vehicle with model details identified. Of the 31,170 unprotected road users who were injured, 8,694 were severely injured.

2.7 Combined Data from the Six Jurisdictions

When the data on the injured drivers were combined for analysis, they covered 998,774 drivers of the 1982-2012 model vehicles who were injured in crashes in Victoria or New South Wales during 1987-2012 or in South Australia during 1995-2012 or in Queensland during 1991-2012 or in Western Australia or New Zealand during 1991-2012. Of these, 789,022 had a valid injury severity code, with 209,752 drivers injured in crashes in NSW during 1999-2012 excluded because of missing injury severity. Information on the 789,022 injured drivers was used to assess the injury severity of the injured drivers of the different makes and models when computing crashworthiness ratings. The information on the 4,185,230 drivers involved in tow-away crashes in NSW during 1987-2012 or South Australia during 1995-2012 or Western Australia during 1991-2012 or Queensland during 1991-2012 was used to assess the injury rate of drivers of the different makes and models for computing crashworthiness ratings.

The combined data on drivers injured in crashes between two light vehicles used for estimation of vehicle aggressivity ratings covered 357,404 drivers of vehicles colliding with the 1964-2012 model vehicles. These drivers were injured in two car crashes in Victoria during 1987-2012 or NSW during 1987-2012 or in South Australia during 1995-2012 or in Queensland during 1991-2012 or in Western Australia and New Zealand during 1991-2012. Excluding the 46,952 injured drivers from NSW during 1999-2012 without a valid injury severity code left 310,452 cases for analysis. This information was used to assess the injury severity of the injured drivers colliding with the different makes and models when computing aggressivity ratings. The aggressivity injury risk component was estimated from data including information on the 1,877,711 drivers involved in two-car tow-away crashes in NSW during 1987-2012, in South Australia during 1995-2012, in Western Australia during 1991-2012 and in Queensland during 1991-2012.

The combined data on unprotected road users used for estimation of aggressivity covered 228,442 unprotected road users, of whom 172,039 were injured. Of those injured, 59,182 with valid injury severity codes were seriously injured. These unprotected road users were involved in a collision with a 1982-2012 model vehicle in Victoria or NSW during 1987-2012, or in South Australia during 1995-2012 or in Western Australia or New Zealand during 1991-2012, or in Queensland during 1991-2012.

For the study of crashworthiness by year of vehicle manufacture, the combined data covered 914,417 drivers of vehicles manufactured between 1964 and 2012 who were injured in crashes, 167,443 severely, in Victoria during 1987-2012, in NSW during 1987-1998, in South Australia during 1995-2012, in Western Australia during 1991-2012 and Queensland during 1991-2012. For the assessment of injury risk by year of vehicle manufacture, the combined data covered 4,620,961 drivers involved in tow-away crashes in NSW during 1987-2012 or in South Australia during 1995-2012 or Western Australia and Queensland during 1991-2012.

3. MODELS AND MARKET GROUPS OF VEHICLES

3.1 Vehicle Model Identification

A procedure initially developed by the NRMA based on decoding Vehicle Identification Numbers (VIN) or chassis numbers was extended and used as the primary means to determine the models of light passenger vehicles. The decoding identified some light truck and unusual commercial models that were not considered further. Of the light passenger vehicles manufactured during 1982-2005 around 95% had their model identified by the VIN decoder. Further details of the VIN decoding process are given by Pappas (1993). The VIN decoding procedure was used to identify all vehicle models in the New South Wales and Queensland data and 1989 year of manufacture vehicles onwards in the Victorian data from 1994. For the first time VINs were obtained from the Western Australian vehicle register, managed by the WA Department of Transport. This meant the VIN decoding system used on data from the other four states to identify vehicle model details was used for some of the Western Australia crash data. Because only a recent snapshot of the registration file was obtained registration details of expired registrations was not available. The VIN decoding system was also used to identify make and model details for vehicles sold new in New Zealand with a valid ISO VIN recorded.

For those vehicles in Western Australia without a VIN available, the previous decoding method based on make, model and year of manufacture codes held in the vehicle register and described in Newstead et al (2006) was used. A similar system was used to classify new vehicles in the New Zealand crash data without a valid ISO VIN and for used imported vehicles from Japan. For Victorian vehicles in the pre 1994 data without a VIN, a system of decoding based on vehicle mass and power was used. This is also described in Newstead et al (2006).

South Australia registration data was matched to crash data by the Driver and Vehicle Licensing section of the Department of Transport, Energy and Infrastructure using an extract comprising of the crash date and six character plate detail of the crashed vehicle from the crash data provided to MUARC by the Transport Services Division of the same Department. The vehicles were selected on the basis that the plate was registered as being on the vehicle as at the crash date and the vehicle was registered by the client as at the crash date and was described by the extracted vehicle details. Plate detail in the provided crash data was only six characters whilst the plate numbers on the South Australia register can be longer than six characters, so the numbers were used "as they are" to extract the data. Plates are identified on the South Australia register using plate type and plate number. This resulted in some plate/crash date combinations being extracted more than once. These were excluded from the analysis. Where no match has been possible, the original plate and crash date remain with no extract details populated. Other vehicle details including make, year of manufacture and model which is a free format field on the register and as such, doesn't contain codified or verified data were supplied. This meant the VIN decoding system used on data from the other four states to identify vehicle model details was able to be used for the South Australia crash data.

RACV, RTA, NRMA, NZTA and VicRoads provided advice on the particular models that had experienced substantial changes in design (and hence potential crashworthiness) and in which years the design was relatively constant. This was validated and supplemented by information from Redbook on vehicle specification. This resulted in certain models being split into ranges of years of manufacture. Where the new model was introduced near the beginning or end of a year (up to two months either way), this process was relatively straightforward (accepting a small miss-classification in some circumstances). However, when the model changed near the middle

of the year, the model for that year was kept separate and potentially treated as a "mixed" model (e.g. the Daihatsu Charade 1987 models). Where exact model decoding was possible from the VIN, without using year of vehicle manufacture, this was used. They also provided advice on vehicle models that could be combined with each other (sometimes only for specific years) because they were essentially the same design or construction but registered as having different manufacturers.

As in previous crashworthiness ratings, models were excluded with fewer than 20 injured drivers and/or fewer than 100 involved drivers appearing in the crash data. The same selection criteria were also used for aggressivity ratings except exclusion was based on the number of road users colliding with the focus vehicle model. These selection criteria were used to ensure stability in fitting the logistic regression models to estimate the ratings.

3.2 Pooled Car Models

Vehicle model sharing amongst manufacturers retailing in the Australian market has been relatively common. Because shared models are generally identical, particularly with respect to safety performance, it is possible to pool such models for safety rating, allowing a more precise estimate of the safety of models for which data is pooled rather than considering each separately. Pooled models are identified in the report appendices by their combined vehicle make and model names.

It should be noted that some of the vehicle models identified in the data have optional safety equipment, such as air bags, which could significantly alter the secondary safety performance of the vehicle model when fitted. It is, however, generally not possible to identify which particular vehicles of a model series do and do not have such optional safety equipment installed using the model decoding procedures described above. Consequently, for those vehicle models with optional safety equipment, the estimated ratings represent an average of the safety performance for vehicles with and without the optional safety equipment weighted by the number of each in the crash data.

As the ratings only measure injury outcome in the event of a crash and not the risk of the crash occurring, the effect of fitment of active or crash avoidance safety features such as anti-lock braking or electronic stability control systems on crash avoidance was not measured by these ratings. As only driver injury outcomes were considered amongst vehicle occupants, optional or standard safety features for the front or rear seat passengers, such as passenger frontal airbag systems, would also not have affected the ratings.

3.3 Vehicle Market Groups

Previous updates of the vehicle safety ratings have classified vehicle models, for the purpose of publication, into one of a number of market groups. The market groups defined are based heavily on those used by the Federal Chamber of Automotive Industries (FCAI) for reporting Australian vehicle sales as part of their VFACTS publication (see www.fcai.com.au for further details). The 10 market groups defined for analysis are as follows with a broad description of the classification criteria used to define each (although the criteria are not strictly applied and some judgement on classification used according to where a vehicle is classified by VFACTS) .

Passenger Cars

Light	Passenger car, hatch, sedan, coupe or convertible 3 or 4 cylinder engine, up to1, 500 cc, tare mass < 1150kg.
Small	Passenger car, hatch, sedan, wagon, coupe or convertible 4 cylinder engine, 1,501 cc - 2,000 cc, tare mass 1150-1350kg.
Medium	Passenger car, hatch, sedan, wagon, coupe or convertible 4 cylinder engine, 2,001 cc upward, tare mass 1350-1550kg.
Large	Passenger car, hatch, sedan, wagon, coupe or convertible 6 or 8 cylinder engine, tare mass > 1550kg.
People Movers	Passenger usage seating capacity > 5 people.

Sports Utility Vehicles (also called Four Wheel Drive Vehicles) (high ground clearance, wagon generally with off road potential)

SUV Small	Index rating < 550 (typically less than 1700kg tare mass)
SUV Medium	Index rating 550 - 700 (typically between 1700kg and 2000kg tare mass)
SUV Large	Index rating > 700 (typically greater than 2000kg tare mass)

Light Commercial Vehicles

Van	Blind & window vans.
Utility	Two and four wheel drive, normal control (bonnet), utility, cab chassis and crew-cabs.

The classification of SUV vehicles is based on an index developed by VFACTS that considers gross vehicle mass, maximum engine torque and the availability of a dual range transmission. The index typically classifies the vehicles roughly by tare mass as indicated on the classifications above. Some departures from the VFACTS classification have been made in presenting the ratings in this study. VFACTS defines a luxury SUV category based on vehicle price as well as classifying sports cars priced above the luxury car tax threshold as luxury vehicles. Here, the luxury SUVs have been distributed amongst the 3 defined SUV categories based on tare mass, as the information for computing the classification index used by VFACTS was not available at the time of the study.

There have also been some departures from the classification principles defined above for certain vehicle models that have a range of engine sizes and hence fall across two different defined categories. These are typically passenger vehicles and include, for example, cars like some models of the Toyota Camry that come fitted with a large 4 cylinder engine in some variants and a 6 cylinder engine in other variants. In these cases, a value judgement has been made for each vehicle model individually based on the other vehicle models with which each typically competes in the market place.

4. ANALYSIS

4.1 Overview of Analysis Methods: Crashworthiness

The crashworthiness rating (C) is a measure of the risk of serious injury (hospitalisation or death) to a driver of a car when it is involved in a crash. It is defined to be the product of two probabilities (Cameron et al, 1992):

i) the probability that a driver involved in a crash is injured (injury risk), denoted by R; and
ii) the probability that an injured driver is hospitalised or killed (injury severity), denoted by S.

That is

$$C = R \times S.$$

Folksam Insurance, who publishes the well-known Swedish ratings, first measured crashworthiness in this way (Gustafsson et al, 1989).

In the present report, each of the two components of the crashworthiness rating was obtained by logistic regression modelling techniques (Hosmer & Lemeshow, 1989). Such techniques are able to simultaneously adjust for the effect of a number of factors (such as driver age and sex, number of vehicles involved, etc.) on probabilities such as the injury risk and injury severity whilst estimating the role of vehicle model, market group or year of manufacture in the injury outcome. This method, described fully in Newstead et al (2006), has previously been used to produce the Australian and New Zealand vehicle fleet crashworthiness ratings. For estimation of the crashworthiness ratings, factors in the logistic model included the available non-vehicle factors influencing injury outcome as well as the variable indicating vehicle model, market group or year of manufacture. Newstead et al (2006) details how confidence limits on the regression estimates of injury risk and severity are calculated with these techniques also being used here.

A stepwise procedure was used to identify which non-vehicle factors and their interactions had an important influence on driver injury outcome. Logistic models were obtained separately for injury risk and injury severity because it was likely that the various factors would have different levels of influence on these two probabilities. The non-vehicle factors considered in the analysis for both injury risk and injury severity were

- **sex:** driver sex (male, female)
- **age:** driver age (≤25 years; 26-59 years; ≥60 years)
- **speedzone:** speed limit at the crash location (≤75 km/h; ≥80 km/h)
- **nveh:** the number of vehicles involved (one vehicle; >1 vehicle)
- **state:** jurisdiction of crash (Victoria, NSW, SA, QLD, WA, NZ)
- **year:** year of crash (1987, 1988, … , 2012)

These variables were chosen for consideration because they were part of the Victorian, Queensland, New South Wales, South Australia, Western Australia and New Zealand databases. Other variables were only available from one source and their inclusion would have drastically reduced the number of cases that could have been included in the analysis. All data were analysed using the Logistic Regression procedure of the SAS statistical package (SAS, 1989). Some model exclusions were made from the analysis by make and model of vehicle for vehicle model classifications that had no practical interpretation or where there were too few cases for

inclusion. This included models in a particular year where there was a change from one series to the next and year of manufacture was necessary to determine the series break (such as Mitsubishi Pajero 1991). It also included some groups of highly aggregated models that would be of no intrinsic interest to consumers using the ratings (such as Jeep Others or Mazda Commercials). After exclusion, the regression analyses were performed on 562 individual car models (or pooled similar models). A list of all vehicle models considered, with those with sufficient data for analysis indicated, is given in Appendix 1.

These techniques were applied to produce estimates of injury risk, injury severity and crashworthiness by vehicle make and model, market group or year of manufacture.

4.2 Overview of the Analysis Methods: Aggressivity

The aggressivity rating estimates the risk of death or admission to hospital to both the drivers of the other cars and to unprotected road users when involved in a collision with the subject model car. Unprotected road users include pedestrians, bicyclists and motorcyclists. Because an estimate of the risk of injury cannot be calculated for unprotected road users as explained above the measure of aggressivity injury risk used was based only on the injury risk to the other driver (ROU). It is defined as:

Aggressivity Injury Risk = ROU = proportion of other vehicle drivers involved in crashes who were injured

In contrast, complete records of both other drivers and unprotected road users injured in crashes are available and can be used to examine injury severity outcomes in the aggressivity measure. The aggressivity injury severity measure (SOU) is defined as:

Aggressivity Injury Severity = SOU = proportion of other vehicle drivers or unprotected road users who were killed or admitted to hospital.

Based on the definition of ROU and SOU above, an aggressivity measure for each subject car model was then calculated as before:

Aggressivity to other driver or unprotected road user = AOU = ROU x SOU.

Consideration was given to taking into account likely differences between the crash circumstances of the subject car models, which may result in a distorted view of its aggressivity only partly related to the characteristics of the subject cars. Factors available in the data to consider such differences were as follows.

- **agefcd**: age of driver of subject car (<=25 years, 26-59 years, >=60 years)
- **sexfcd**: sex of driver of subject car
- **ageoo**: other car driver age (<=25 years, 26-59 years, >=60 years)
- **sexoo**: other car driver sex (male, female)
- **speedzone**: speed limit at the crash location (≤75 km/h; ≥80 km/h)
- **state**: jurisdiction of crash (Victoria, NSW, SA, QLD, WA, NZ)
- **year**: year of crash (1987, 1988, … ,2012)
- **crash type**: collision partner type (vehicle, pedestrian, bicyclist or motorcyclist) (injury severity only)

Estimation of the aggressivity measure has utilised logistic regression techniques to adjust ROU and SOU separately for any major differences that emerge between models of the subject cars regarding these factors. The adjusted ROU and SOU have been multiplied together for each subject car model to provide the final measure of aggressivity, AOU. Full details of the analysis techniques are given in Newstead et al (2006). Analyses by make and model of vehicle were performed on 500 individual car models for calculation of the aggressivity rating. Estimates were also obtained by market group.

4.3 Overview of Analysis Methods: Total Safety

The concept of the total secondary safety index developed in Newstead et al (2004b) forms the basis of the integrated single measure of total secondary safety developed in Newstead et al (2007c) and used here and has some inherent similarities to the crashworthiness and aggressivity metrics developed by MUARC as will become evident. Like the initial index of Newstead et al (2004b), the integrated total secondary safety index is formulated by considering the four major crash types involving light passenger vehicles and the most relevant injury outcomes in those crashes. Table 3 summarises the key elements necessary to calculate the total secondary safety index. The table is categorised by each of the four major crash types considered giving the focus crash participants whose injury outcomes are considered in the index and representations of the key injury counts by injury severity level. The final column of Table 2 gives the proportion of the total crash population represented by each crash type for the crash population being considered.

Table 2: *Light passenger vehicle crash types, injury outcome counts and percentage representation components for formulating the total secondary safety index.*

Crash Type	Focus Crash Participant	Number Involved	Number Injured	Number Killed or Seriously Injured	Proportion of Total Crash Population
1. Passenger Vehicle to Passenger Vehicle	Focus light vehicle driver	E_{1f}	I_{1f}	S_{1f}	p_1
	Other light vehicle driver	E_{1o}	I_{1o}	S_{1o}	
2. Single Passenger Vehicle	Light vehicle driver	E_2	I_2	S_2	p_2
3. Passenger Vehicle to Heavy Vehicle	Light vehicle driver	E_3	I_3	S_3	p_3
4. Passenger Vehicle to Unprotected Road User	Unprotected road user	*N/A*	I_4	S_4	p_4

N/A – Not fully reported in police crash records

As noted in Newstead et al (2004a), heavy vehicle drivers are typically not injured in crashes with light passenger vehicles and are hence not considered in the total secondary safety index. Similarly, drivers of the light passenger vehicle are not injured in crashes with unprotected road users and have not been included in formulating the index. Vehicle occupants other than drivers have not been considered as they are often not recorded by police in their crash reports unless injured. Similarly, crashes involving uninjured unprotected road users are generally not reported to police and hence the total number of unprotected road users involved in crashes is unknown. The 'focus' light vehicle driver in Table 3 refers to the driver of the vehicle being rated whilst the 'other' vehicle is the collision partner.

Like the crashworthiness and aggressivity measure, the total secondary safety index is defined as the product of an injury risk component and an injury severity component. The need to define a two component measure is necessary to be able to make best use of the police reported crash databases in New Zealand and Victoria that record only crashes involving injury. It is not possible to determine the total number of crash involved people in these jurisdictions since records on crashes where no one is injured are not available. Hence these two data sets are only useful for measuring relative injury severity and not injury risk.

The measure of total secondary safety injury risk, R_T, is defined as follows:

$$R_T = \frac{p_1\left(\frac{I_{1f}}{E_{1f}} + \frac{I_{1o}}{E_{1o}}\right) + p_2\frac{I_2}{E_2} + p_3\frac{I_3}{E_3}}{2p_1 + p_2 + p_3}$$

It measures the average risk of injury across all key participants in a crash involving a light passenger vehicle weighted by the relative exposure of each participant type across the entire crash population. Since unprotected road users are generally injured crashes reported to police, they are not included in the injury risk measure. The corresponding total secondary safety injury severity measure, S_T, is defined as follows:

$$S_T = \frac{p_1\left(\frac{S_{1f}}{I_{1f}} + \frac{S_{1o}}{I_{1o}}\right) + p_2\frac{S_2}{I_2} + p_3\frac{S_3}{I_3} + p_4\frac{S_4}{I_4}}{2p_1 + p_2 + p_3 + p_4}$$

It measures the average risk of death or serious injury given some injury was sustained across all key participants in a crash weighted again by the relative exposure of each participant type across the entire crash population. The integrated total secondary safety index, T, is defined to be the product of the injury risk and injury severity components:

$$T = R_T \times S_T .$$

It measures the average risk of death or serious injury in crash involving a light passenger vehicle across all key participants in a crash weighted again by the relative exposure of each participant type across the entire crash population. It can be estimated for individual vehicle models, by vehicle market groups or for the fleet as a whole as desired with a table of the form of Table 3 being derived for each entity at the level of disaggregation desired.

The description of the total secondary safety index has defined five key focus crash participants whose injury outcome forms the basis of the index. Depending on the available data, it is possible to define a more detailed index that further breaks down the categories of key participants. Further breakdowns considered in developing the index were:

Unprotected road user into	Bicyclist Pedestrian Cyclist
Heavy vehicle collision partner into	Rigid Truck

Articulated Truck
Bus

This made a total of nine key participant categories considered in the total secondary safety index. The final number of categories that were able to be sustained in practical application of the index depended on the amount of crash data available from each category and the level of vehicle aggregation at which the index was being calculated (e.g. make and model of vehicle vs market group).

Like the crashworthiness and aggressivity indices developed by MUARC, the aim for the integrated total secondary safety index was that it reflect only the influence of the vehicle on injury outcome and not factors external to the vehicle such as key participant or crash characteristics. Consequently, there was a need to compensate for differences in these key non-vehicle related factors that existed from vehicle model to vehicle model or by market group. Logistic regression analysis was utilised to produce total secondary safety ratings appropriately adjusted for the influence on non-vehicle related factors on injury outcome. For estimation of the total secondary safety ratings, factors in the logistic model included the available non-vehicle factors influencing injury outcome, such as driver or unprotected road user age and gender, year and jurisdiction of crash and crash configuration, as well as the variable indicating vehicle model or market group.

Since the analysis potentially included two drivers from the same crash in a light vehicle to light vehicle crash, an assumption implicit in the logistic modelling process was that, given the level of impact severity of the crash represented by non-vehicle factors in the logistic model, it was assumed that the injury outcome of the two drivers was independent. This assumption was considered reasonable since the estimated crashworthiness and aggressivity of vehicles rated by Newstead et al (2007a and 2008a) appear to be essentially independent and each of these measure focuses heavily on the injury outcome of each driver in a two vehicle crash.

In the present report, as with the crashworthiness and aggressivity ratings each of the two components of the total secondary safety index were obtained by logistic regression modelling techniques (Hosmer & Lemeshow, 1989). Such techniques are able to simultaneously adjust for the effect of a number of factors on probabilities such as the injury risk and injury severity whilst estimating the role of vehicle model, market group or year of manufacture in the injury outcome. Only the average total secondary safety across a standardised set of crash circumstances and occupant characteristics was of interest. This method is described fully in Newstead et al (2007c) along with details on how confidence limits on the regression estimates of injury risk and severity are calculated.

The factors considered during this stage of the analysis for both injury risk and injury severity were

- **sex:** driver or unprotected road user sex (male, female)
- **age:** driver or unprotected road user age (≤25 years; 26-59 years; ≥60 years)
- **speedzone:** speed limit at the crash location (≤75 km/h; ≥80 km/h)
- **nveh:** the number of vehicles involved (one vehicle; >1 vehicle)
- **state:** jurisdiction of crash (Victoria, NSW, QLD, WA, NZ)
- **year:** year of crash (1987, 1988, … ,2012)

For this update the factor specifying the number of vehicles (nveh) was removed as it was correlated with the following factor, crash combination type (crashtyp).

A further critical factor that is likely to vary between vehicle models is the mix of collisions between light passenger vehicles and both other vehicles of various types and unprotected road users. The injury severity (S_T) and injury risk (R_T) components of the new total secondary safety measure (T) is an average of injury severity or injury risk outcomes respectively across the mix of crash types involving the focus vehicle. Since injury outcomes will vary considerably across the mix of crash types it is necessary to adjust the new total secondary safety injury severity measure and injury risk measure to account for differences in the proportion of crash type combinations between vehicle models. To adjust for potential differences a further factor was included in the logistic regression models for both total secondary safety injury risk and injury severity. The factor used was:

- **crashtyp** crash combination type,

For the injury risk analysis the crash combination types consisted of:

- two vehicle – focus vehicle driver
- two vehicle – other vehicle driver
- single vehicle
- heavy vehicle collisions (including collisions with articulated trucks, rigid trucks or buses)

Collisions between a light passenger vehicle and unprotected road users (pedestrians, bicyclists or motorcyclists) were included in the injury severity analysis. This additional collision combination type was excluded from the injury risk analysis because in general crashes involving pedestrians, bicyclists and motorcyclists are seldom reported to the Police unless someone is killed or injured which is usually the unprotected road user. This means that an estimate of the risk of injury cannot be calculated for the unprotected road user.

Although heavy collisions could be further categorised into rigid truck, articulated truck or bus collisions and unprotected road users could be further categorised into pedestrians, bicyclists and motorcyclists it was important to ensure that the logistic model adequately described the data and did not yield coefficients that were imprecise or unstable. For this reason, for both heavy vehicle collisions and unprotected road user collisions, the sub-type classifications were pooled to ensure sufficient data for precise and stable results.

5. RESULTS

5.1 Vehicle Crashworthiness Ratings

5.1.1 Injury Risk

Injury risk was estimated from the data on drivers involved in tow-away crashes in New South Wales, South Australia, Queensland and Western Australia during 1987-2012. This data set is referred to as the "involved drivers". Because of missing values in one or more of the covariates driver sex and age, speed zone and number of vehicles involved in the crash amongst the involved drivers and vehicle models of interest, the final file used for analysis consisted of the 2,414,621 drivers for which all the covariate data was complete. Of these drivers 430,923 were injured. The following non-vehicle related factors and their interactions were significantly associated with injury risk and were included in the logistic model:

Base effect terms	**First order interactions**	**Second order interactions**	**Third order interactions**
Sex	Speedzone*Nveh	Age*Speedzone*Nveh	Speedzone*State*Year*Nveh
Speedzone	Sex*Nveh	Sex*Speedzone*Nveh	Sex*Speedzone*State*Nveh
Age	Sex*Age	Speedzone*Year*Nveh	Age*Speedzone*State*Nveh
Nveh	Age*Nveh	Sex*State*Nveh	
State	Speedzone*Age	Speedzone*Nveh*State	
Year	State*Year	State*Year*Nveh	
	Nveh*State	Age*State*Nveh	
	Year*Nveh	Age*Speedzone*State	
	Age*State	Speedzone*State*Year	
	Age*Year	Sex*State*Year	
	Speedzone*Year	Sex*Speedzone*State	
	Speedzone*State	Age*State*Year	
	Sex*Speedzone	Age*Speedzone*Year	
	Sex*State	Age*Sex*Year	
	Sex*Year	Age*Sex*Speedzone	
		Age*Sex*Nveh	

The overall (average) injury risk for involved drivers in tow-away crashes inNew South Wales, South Australia, Western Australia and Queensland was 17.85 injuries per 100 involved drivers. Appendix 2 gives the estimates of injury risk derived by logistic regression for the 562 individual car models that were rated. Injury risk ranged from 5.01% for the 1986-1994 Citroen BX to 46.48% for the 1982-1990 Daihatsu Hi Jet. An estimate of the variability in the injury risk estimates was calculated from the width of the corresponding 95% confidence intervals. Individual confidence interval widths ranged from 0.67% for the 1997-2002 Holden Commodore VT/VX to 18.33% for the 1997-1999 Daihatsu Move. The small variability for the Holden Commodore series sedan reflects the large number of cars of this model in the data set with precision known to improve with increasing sample size.

The estimated injury risk for each market group is also given in Appendix 2. The large sports utility vehicles had the lowest injury risk (12.97%) and the light car market group had the highest (23.45%).

5.1.2 Injury Severity

The data on "injured drivers" covered drivers of 1982-2012 model vehicles who were injured in crashes in Victoria, New South Wales, South Australia, Western Australia, Queensland or New Zealand during 1987-2012. Because of missing values in one or more of the covariates or invalid injury severity codes amongst the injured drivers, the final file used for analysis consisted of the 477,379 drivers for which all the covariate data was complete. Of these drivers 104,859 were seriously injured. The following non-vehicle related factors and their interactions were significantly associated with injury severity and were included in the logistic model:

Base effect terms	**First order interactions**	**Second order interactions**	**Third order interactions**
Sex	Sex*State	Speedzone*Nveh*State	Speedzone*State*Year*Nveh
Speedzone	Speedzone*Nveh	Speedzone*State*Year	
Age	Age*Sex	Age*State*Nveh	
Nveh	Nveh*State	Age*State*Year	
State	Speedzone*Age	State*Year*Nveh	
Year	Age*State	Speedzone*Year*Nveh	
	Age*Nveh	Age*Speedzone*State	
	State*Year	Sex*State*Nveh	
	Speedzone*Year	Age*Sex*State	
	Age*Year	Age *Sex*Nveh	
	Year*Nveh		
	Speedzone*State		
	Sex*Nveh		

The average injury severity for injured drivers in the data analysed was 21.97 deaths or serious injuries per 100 injured drivers. Appendix 3 gives the estimates of injury severity derived by logistic regression for 562 individual car models, or sets of combined models. Of the cars analysed, injury severity ranged from 3.99% for the 2004-2012 Volvo S40/V50 to 48.77% for the 1982-1984 Alfa Romeo GTV. An estimate of the variability in the estimates of injury severity was calculated from the width of the corresponding 95% confidence intervals. Individual confidence interval widths ranged from 1.82% for the 1997-2002 Holden Commodore VT/VX to 42.62% for the 2000-2005 Toyota MR2.

The estimated injury severity for each market group is also given in Appendix 3. Medium sports utility vehicles performed best with respect to injury severity, having the lowest average injury severity of 19.93%. The light car market group had the highest average injury severity of 22.77%.

5.1.3 Crashworthiness Ratings

The crashworthiness ratings for each car model and market group were obtained by multiplying the individual injury risk and injury severity estimates. Because each of the two components had been adjusted for the confounding factors, the resultant crashworthiness rating was also adjusted for the influence of these factors.

Crashworthiness ratings were obtained for each individual model and market group after adjusting for the confounding factors. Appendix 4 gives the crashworthiness ratings and the associated 95% confidence intervals for each of the 562 car models included in the analyses.

Appendix 4 also gives the crashworthiness ratings with 90% confidence limits for each of the 562 vehicle models. Each rating is expressed as a percentage, representing the number of drivers killed or admitted to hospital per 100 drivers involved in a tow-away crash. Overall ratings for the market groups are also given.

Each crashworthiness rating is an *estimate* of the true risk of a driver being killed or admitted to hospital in a tow-away crash and, as such, each estimate has a level of uncertainty about it. This uncertainty is indicated by the confidence limits in Appendix 4. There is 95% probability that the confidence interval will cover the true risk of serious injury (death or hospital admission) to the driver of the particular model of vehicle. Unlike in previous updates no ratings have been excluded at this stage as it was considered useful consumer information to present them.

Table 3 gives a summary of the estimated ratings for each of the 10 defined vehicle market groups. It shows the estimated injury risk and severity components, and the resulting crashworthiness rating with upper and lower 95% confidence limits, and the width of the 95% confidence limit. The relative ranking of the crashworthiness rating on each market group is also given in Table 3 although this should be interpreted with care as there is not necessarily a statistically significant difference between the average crashworthiness of vehicle market groups with different rankings. Statistical significance in average crashworthiness between market groups at the 5% level is only achieved when the 95% confidence limits do not overlap. Similar comments apply to interpreting results in Appendix 4.

Table 3: *Estimated Vehicle Crashworthiness by Market Grouping*

Market Group	Injury Risk (%)	Injury Severity (%)	Crashworthiness Rating*	Overall rank order	Lower 95% Confidence limit	Upper 95% Confidence limit	Width of Confidence interval
Overall Average	**17.85**	**21.97**	**3.92**				
SMALL SUV	20.59	21.24	4.37	8	4.09	4.67	0.58
MEDIUM SUV	15.38	19.93	3.07	2	2.89	3.25	0.36
LARGE SUV	12.97	21.51	2.79	1	2.64	2.95	0.31
COMMERCIAL - UTE	16.02	21.71	3.48	3	3.32	3.64	0.32
COMMERCIAL - VAN	18.22	21.50	3.92	6	3.68	4.16	0.48
LARGE	17.02	21.51	3.66	4	3.51	3.82	0.31
MEDIUM	18.19	21.02	3.82	5	3.66	3.99	0.33
PEOPLE MOVER	18.56	22.06	4.10	7	3.85	4.36	0.52
SMALL	20.72	21.65	4.49	9	4.30	4.68	0.38
LIGHT	23.45	22.77	5.34	10	5.11	5.58	0.47

* Serious injury rate per 100 drivers involved

5.1.4 Comparisons with the Benchmark Rating

In previous updates, ratings for individual vehicles were compared to an un-weighted numerical average of the vehicles for which a crashworthiness rating was calculated. For this update, a comparison was used which classifies vehicles according to where their rating lies in relation to a 'best performance' benchmark. The benchmark rating in this update was defined as the rating above which 11% of the rating point estimates were better (see Section 5.4). The point against which ratings for individual vehicles are compared is arbitrary, whether it is the average used in previous updates or the benchmark rating described above or some other point.

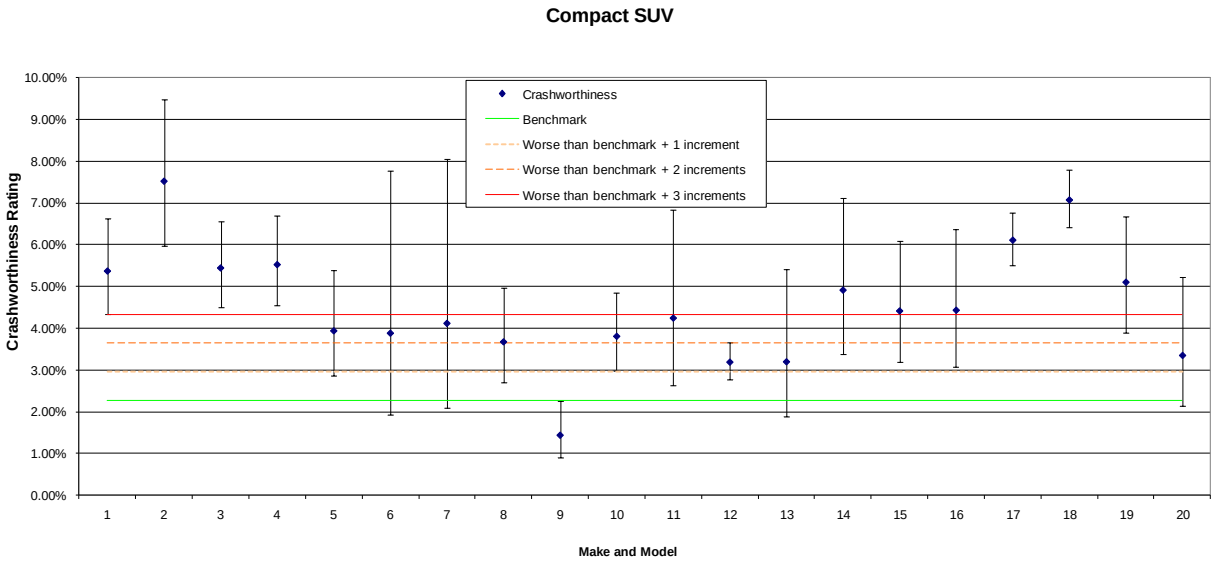
Classification categories are defined by distances away from this benchmark. The five categories were defined as follows.

- Equal to the benchmark.
- Worse than the benchmark.
- At least 30% worse than the benchmark.
- At least 60% worse than the benchmark.
- At least 90% worse than the benchmark.

Again this choice is arbitrary but should aim to spread the vehicles across the performance categories. Vehicles are classified into each category according to the band in which the lower confidence limit on the rating lies. Using only the lower confidence limit defines a true one-sided statistical test which is equal for each rating.

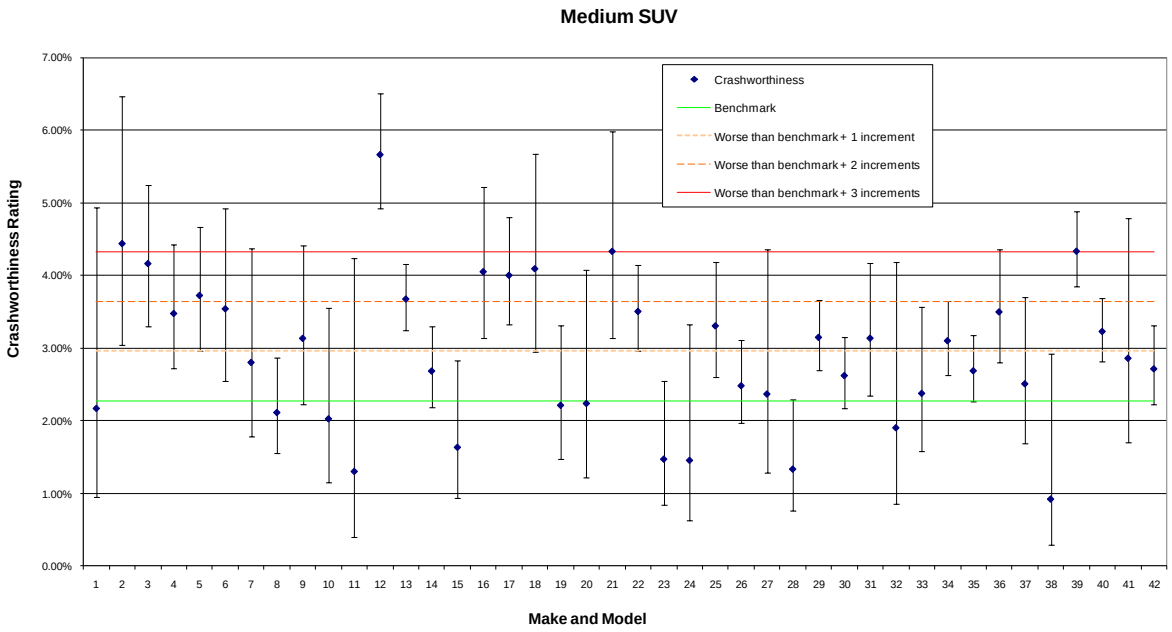
Figures 1 to 10 display for each of the market groups the crashworthiness ratings of vehicles together with their 90% confidence limits. Also displayed on each graph is a line representing the benchmark crashworthiness safety rating of 2.28% and three lines at 2.96%, 3.64% and 4.33% representing 30% worse than the benchmark, 60% worse than the benchmark and 90% worse than the benchmark respectively.

Figure 1: *Crashworthiness Ratings for Compact Sports Utility vehicles (with 90% confidence limits)*



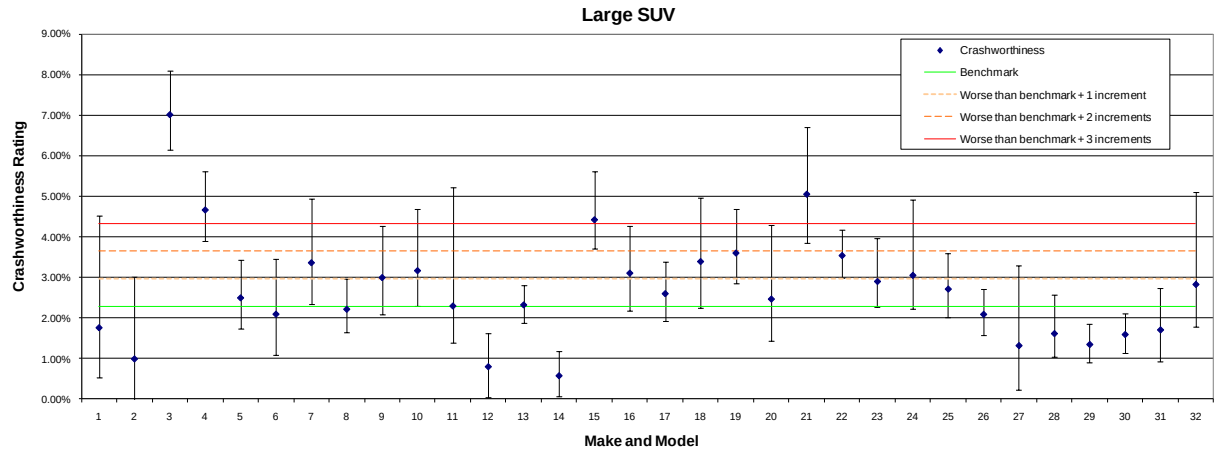
1	Daihatsu Feroza / Rocky 89-97	11	Kia Sportage KM 05-10
2	Daihatsu Rocky / Rugger 85-98	12	Nissan X-Trail 01-07
3	Daihatsu Terios 97-05	13	Nissan Dualis 07-12
4	Holden Cruze 02-06	14	Lada Niva 84-99
5	Hyundai Tucson 04-10	15	Honda HR-V 99-02
6	Hyundai ix35 10-12	16	Land Rover Freelander 98-06
7	Mitsubishi Pajero iO 99-03	17	Suzuki Vitara / Escudo 88-98
8	Mitsubishi Outlander 03-06	18	Holden / Suzuki Drover / Sierra / Samurai / SJ410 / SJ413 82-99
9	Mitsubishi / Peugeot Outlander / 4007 06-12	19	Suzuki Jimny 98-10
10	Kia Sportage 98-03	20	Suzuki SX4 07-12

Figure 2: *Crashworthiness Ratings for Medium Sports Utility vehicles (with 90% confidence limits)*



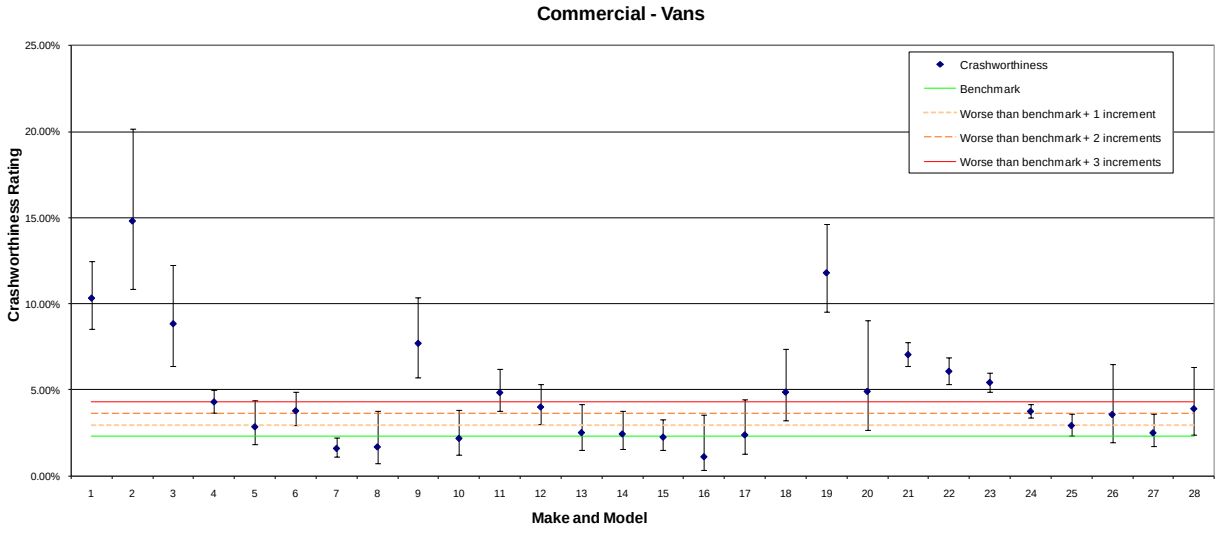
1	BMW X3 E83 04-10	22	Ford / Mazda Escape / Tribute 01-06
2	Daewoo / Ssangong Musso 98-06	23	Mazda CX-7 06-12
3	Holden / Isuzu Jackaroo / Bighorn 82-91	24	Ford / Mazda Escape / Tribute 06-12 / 06-08
4	Holden / Isuzu Jackaroo / Bighorn 92-97	25	Nissan Pathfinder / Terrano 88-94
5	Holden / Isuzu Jackaroo / Bighorn 98-02	26	Nissan Pathfinder / Terrano / Regulus 95-05
6	Holden Frontera / Mu 95-03	27	Nissan Murano 05-08
7	Holden Adventra 03-06	28	Nissan Pathfinder 05-12
8	Holden Captiva CG 06-12	29	Honda CR-V 97-01
9	Hyundai Santa Fe 00-06	30	Honda CR-V 02-06
10	Hyundai Terracan 01-07	31	Honda CR-V 07-12
11	Hyundai Santa Fe 06-12	32	Subaru Tribeca 06-12
12	Mitsubishi Pajero 82-90	33	Subaru Forester 08-12
13	Mitsubishi Pajero 92-99	34	Subaru Forester 97-02
14	Mitsubishi Pajero NM / NP 00-06	35	Subaru Forester 02-08
15	Mitsubishi Pajero NS / NT / NW 07-12	36	Suzuki Grand Vitara 99-05
16	Mitsubishi Challenger 98-06	37	Suzuki Grand Vitara / Escudo 05-08
17	Jeep Cherokee XJ 96-00	38	Suzuki Grand Vitara JT 08-12
18	Jeep Wrangler 96-04	39	Toyota RAV4 94-00
19	Jeep Cherokee KJ 01-07	40	Toyota RAV4 01-06
20	Jeep Wrangler 05-12	41	Lexus RX330 03-05
21	Land Rover Defender 92-12	42	Toyota RAV4 06-12

Figure 3: *Crashworthiness Ratings for Large Sports Utility vehicles (with 90% confidence limits)*



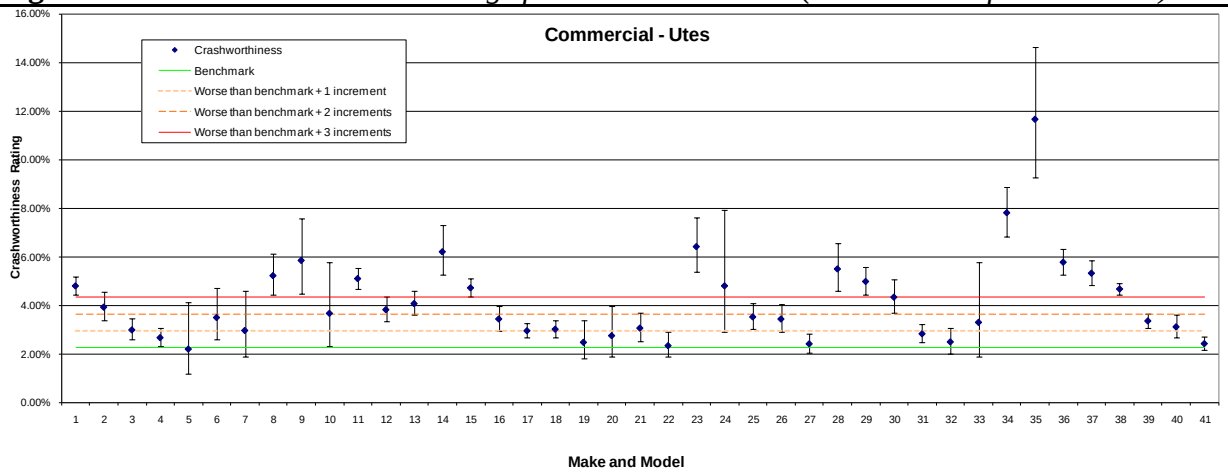
1	BMW X5 01-06	17	Nissan Patrol / Safari 98-12
2	BMW X5 E70 07-12	18	Nissan Patrol 12-12
3	Ford Bronco 82-87	19	Land Rover Range Rover 82-94
4	Ford Explorer 00-01	20	Land Rover Range Rover 95-02
5	Ford Explorer 01-05	21	Toyota Landcruiser 82-89
6	Ford Territory SX/SY 04-10	22	Toyota Landcruiser 90-97
7	Jeep Grand Cherokee ZG 96-99	23	Toyota Landcruiser 98-07
8	Jeep Grand Cherokee WG 99-05	24	Toyota Kluger / Highlander 03-07
9	Kia Sorento 03-09	25	Toyota Landcruiser Prado 96-03
10	Land Rover Discovery 91-02	26	Toyota Landcruiser Prado 03-09
11	Land Rover Discovery 02-04	27	Lexus RX270/350/400h/450h 06-12
12	Mazda CX-9 07-12	28	Toyota Kluger / Highlander 07-12
13	Mercedes Benz M-Class W163 98-05	29	Toyota Landcruiser 200 Series 07-12
14	Mercedes Benz M / GL -Class W164 / X164 05-11	30	Toyota Landcruiser Prado 09-12
15	Nissan Patrol / Safari 82-87	31	Volvo XC90 03-12
16	Nissan / Ford Patrol / Maverick / Safari 88-97	32	Volkswagen Touareg 03-10

Figure 4: *Crashworthiness Ratings for Commercial Vans (with 90% confidence limits)*



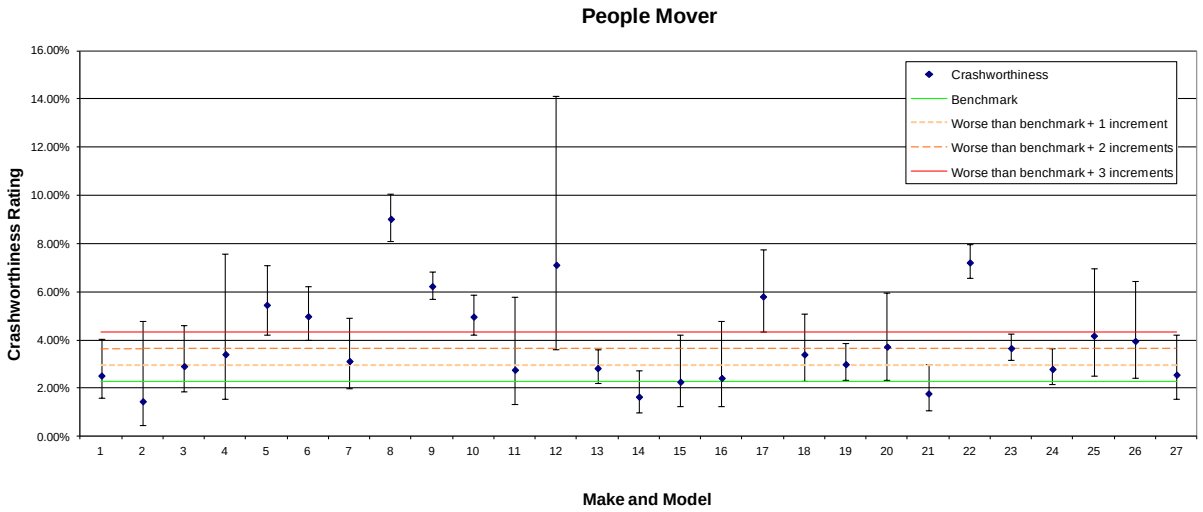
1	Daihatsu Handivan 82-90	15	Mercedes Benz Sprinter 98-06
2	Daihatsu Hi-Jet 82-90	16	Mercedes Benz Sprinter 06-12
3	Daihatsu Handivan / Cuore 99-03	17	Mercedes Benz Vito / Viano / Valente 04-12
4	Ford Falcon Panel Van 82-95	18	Honda Acty 83-86
5	Ford Falcon Panel Van 96-99	19	Holden / Suzuki Scurry / Carry 82-00
6	Ford Transit 95-00	20	Suzuki Carry 99-05
7	Ford Transit 01-07	21	Toyota Hiace/Liteace 82-86
8	Fiat Ducato 02-07	22	Toyota Hiace/Liteace 87-89
9	Holden Shuttle / WFR Van 82-87	23	Toyota Hiace/Liteace 90-95
10	Hyundai iLoad 08-12	24	Toyota Hiace/Liteace 96-04
11	Mitsubishi Express 94-12	25	Toyota Hiace 05-12
12	Kia Pregio 02-06	26	Volkswagen Caravelle / Transporter 88-94
13	Mercedes Benz MB100 / MB140 99-04	27	Volkswagen Caravelle / Transporter 95-04
14	Mercedes Benz Vito 99-04	28	Volkswagen Caddy 05-12

Figure 5: *Crashworthiness Ratings for Commercial Utes (with 90% confidence limits)*



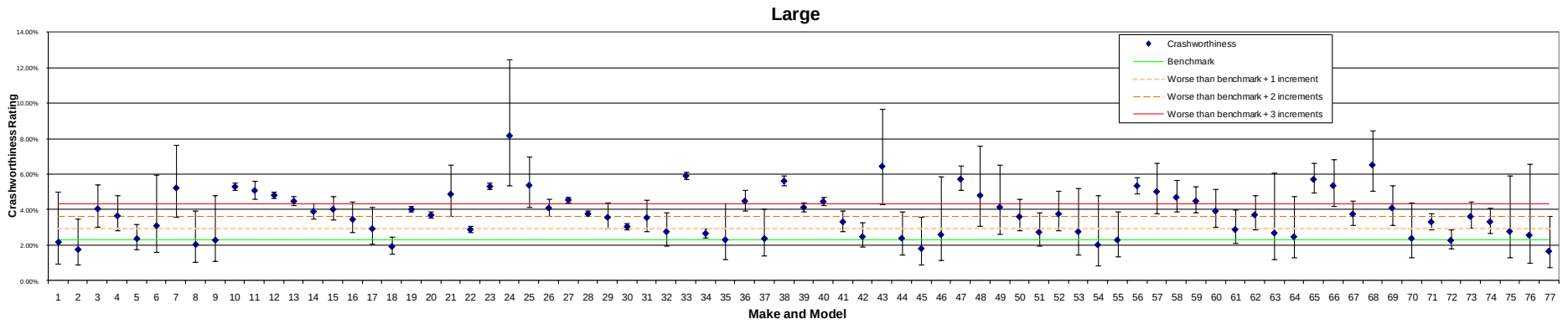
1	Ford / Nissan Falcon Ute / XFN Ute 82-95	22	Mitsubishi Triton ML / MN 06-12
2	Ford Falcon Ute 96-99	23	Kia Ceres 92-00
3	Ford Falcon Ute AU 00-02	24	Kia K2700 02-08
4	Ford Falcon Ute BA/BF 03-08	25	Ford / Mazda Courier / B-Series / Bounty 98-02
5	Ford Falcon Ute FG 08-12	26	Ford / Mazda Courier / Bravo / Bounty 03-06
6	Ford Ford F-Series 82-92	27	Ford / Mazda Ranger / BT-50 06-11
7	Ford F-Series 01-06	28	Nissan 720 Ute 82-85
8	Holden Commodore Ute VG/VP 90-93	29	Nissan Navara 86-91
9	Holden / Isuzu Rodeo / Pickup 82-85	30	Nissan Navara 92-96
10	Holden / Isuzu Rodeo / Pickup 86-88	31	Nissan Navara 97-05
11	Holden / Isuzu Rodeo / Pickup 89-95	32	Nissan Navara 05-12
12	Holden Rodeo 96-98	33	Proton Jumbuck 03-10
13	Holden Rodeo 99-02	34	Subaru Brumby 82-92
14	Holden WB Series 82-85	35	Suzuki Mighty Boy 85-88
15	Holden Commodore Ute VR/VS 94-00	36	Toyota 4Runner/Hilux 82-85
16	Holden Commodore VU Ute 00-02	37	Toyota 4Runner/Hilux 86-88
17	Holden Commodore VY/VZ Ute 02-07	38	Toyota 4Runner/Hilux 89-97
18	Holden Rodeo 03-08	39	Toyota Hilux 98-02
19	Holden Commodore VE Ute 07-12	40	Toyota Hilux 03-04
20	Holden Colorado RC / RG 08-12	41	Toyota Hilux 05-12
21	Mitsubishi Triton MK 96-06		

Figure 6: *Crashworthiness Ratings for People Movers (with 90% confidence limits)*



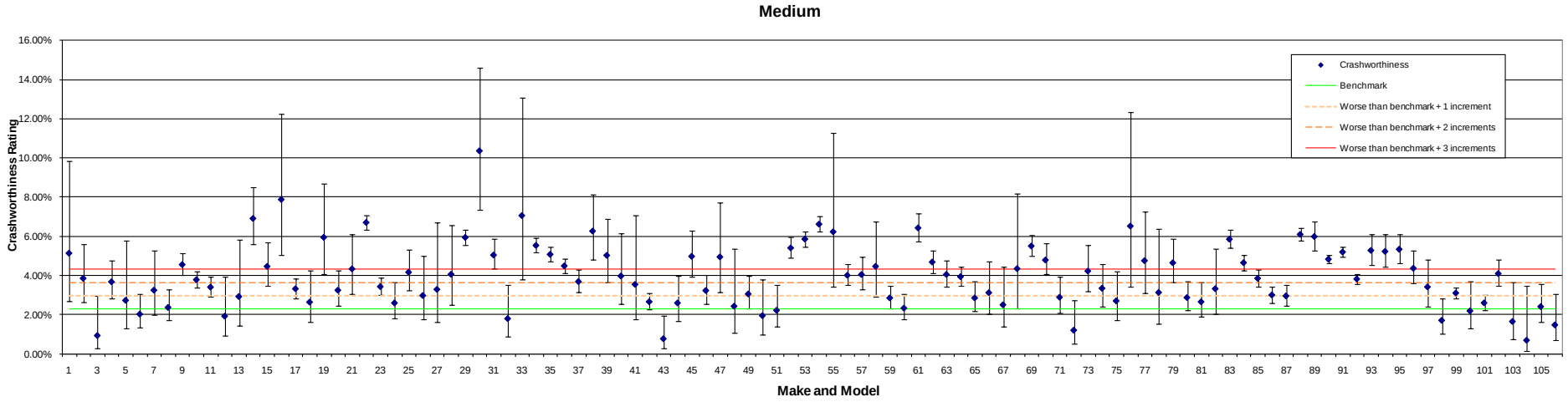
1	Chrysler Voyager 97-01
2	Chrysler Grand Voyager RG 01-07
3	Holden Zafira TT 01-05
4	Hyundai Trajet 00-07
5	Mitsubishi Nimbus / Chariot / Spacewagon 85-91
6	Mitsubishi Nimbus / Chariot 92-98
7	Mitsubishi Nimbus 99-03
8	Mitsubishi Starwagon / L300 83-86
9	Mitsubishi Starwagon / Delica Starwagon 87-93
10	Mitsubishi Starwagon / Delica Spacegear 95-03
11	Mitsubishi Grandis 04-10
12	Kia Carens 00-02
13	Kia Carnival 99-06
14	Kia Carnival 06-11
15	Mazda MPV 94-99
16	Mazda MPV 00-06
17	Nissan Prairie 84-86
18	Nissan Serena 92-95
19	Honda Odyssey 95-00
20	Honda Odyssey 00-02
21	Honda Odyssey 04-09
22	Toyota Tarago 83-89
23	Toyota Tarago / Previa / Estima 91-99
24	Toyota Tarago / Previa / Estima 00-06
25	Toyota Spacia 93-00
26	Toyota Avensis Verso 01-10
27	Toyota Tarago 06-12

Figure 7: *Crashworthiness Ratings for Large cars (with 90% confidence limits)*



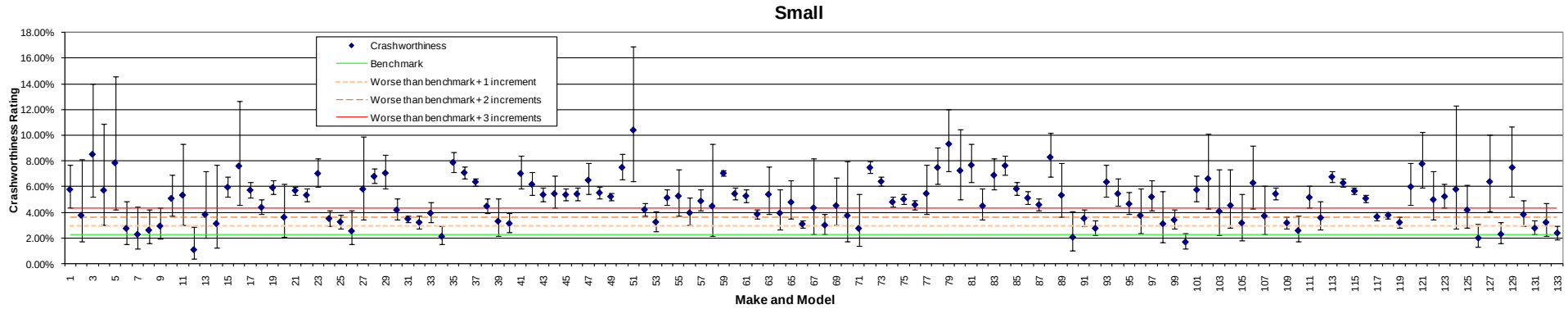
1	Audi A8 95-03	27	Holden / Toyota Commodore VR/VS / Lexcen 93-97	53	Mercedes Benz S-Class C140 93-98
2	BMW 5 Series E60 / E61 03-10	28	Holden Commodore VT/VX 97-02	54	Mercedes Benz S-Class W220 99-06
3	BMW 5 Series E28 82-88	29	Holden Statesman/Caprice WH 99-03	55	Mercedes Benz E-Class W211 02-09
4	BMW 5 Series E34 89-95	30	Holden Commodore VY/VZ 02-07	56	Nissan Skyline 83-88
5	BMW 5 Series E39 96-03	31	Holden Monaro 01-05	57	Nissan 300ZX / Fairlady Z 90-95
6	BMW 7 Series E23 82-86	32	Holden Statesman/Caprice WK/WL 03-06	58	Nissan Maxima 90-94
7	BMW 7 Series E32 87-94	33	Holden Commodore VB-VL 82-88	59	Nissan Maxima / Cefiro 95-99
8	BMW 7 Series E38 95-01	34	Holden Commodore VE 06-12	60	Nissan Maxima 00-02
9	Chrysler 300C 06-11	35	Holden Statesman/Caprice WM 06-12	61	Nissan Maxima 06-09
10	Ford Falcon XE/XF 82-88	36	Hyundai Sonata 89-97	62	Honda Legend 86-95
11	Ford Fairlane Z & LTD F 82-87	37	Hyundai Grandeaur / XG 99-00	63	Rover 3500 82-87
12	Ford Falcon EA / Falcon EB Series I 88-Mar 92	38	Mitsubishi Magna TM/TN/TP / Sigma / V3000 85-90	64	Saab 9-5 98-05
13	Ford Falcon EB Series II / Falcon ED Apr 92-94	39	Mitsubishi Magna TE/TF/TH/TJ / Verada KE/KF/KH/KJ / Diamante 96-03	65	Toyota Crown / Cressida / Mark II 82-85
14	Ford Fairlane N & LTD D 88-94	40	Mitsubishi Magna TR/TS / Verada KR/KS / V3000 / Diamante 91-96	66	Toyota Crown / Cressida / Mark II 86-88
15	Ford Fairlane N & LTD D 95-98	41	Mitsubishi Magna TL/TW / Verada KL/KW 03-05	67	Toyota Cressida / Mark II 89-93
16	Ford Fairlane & LTD AU 99-02	42	Mitsubishi 380 05-08	68	Toyota Supra 82-90
17	Ford Fairlane & LTD BA/BF 03-07	43	Jaguar XJ6 82-86	69	Lexus ES300 / Windom 92-01
18	Ford Falcon FG 08-12	44	Jaguar XJ6 87-94	70	Lexus LS400 / Celsior 90-00
19	Ford Falcon EF/EL 94-98	45	Jaguar S-Type 99-08	71	Toyota Avalon 00-05
20	Ford Falcon AU 98-02	46	Kia Optima 01-06	72	Toyota Aurion 06-12
21	Ford Taurus 96-98	47	Mazda 929 / Luce 82-90	73	Volvo 850/S70/V70/C70 92-99
22	Ford Falcon BA/BF 02-08	48	Mazda 929 / Sentia / Efini MS-9 92-96	74	Volvo 700/900 Series 84-92
23	Holden / Toyota Commodore VN/VP / Lexcen 89-93	49	Mercedes Benz E-Class W123 82-85	75	Volvo 960/S90/V90 90-98
24	Holden Statesman/Caprice WB 82-85	50	Mercedes Benz E-Class W124 86-94	76	Volvo S80 98-06
25	Holden Stateman/Caprice VQ 90-93	51	Mercedes Benz E-Class W210 96-02	77	Volvo V70 / XC70 00-07
26	Holden Stateman/Caprice VR/VS 94-98	52	Mercedes Benz S-Class W126 82-92		

Figure 8: *Crashworthiness Ratings for Medium cars (with 90% confidence limits)*



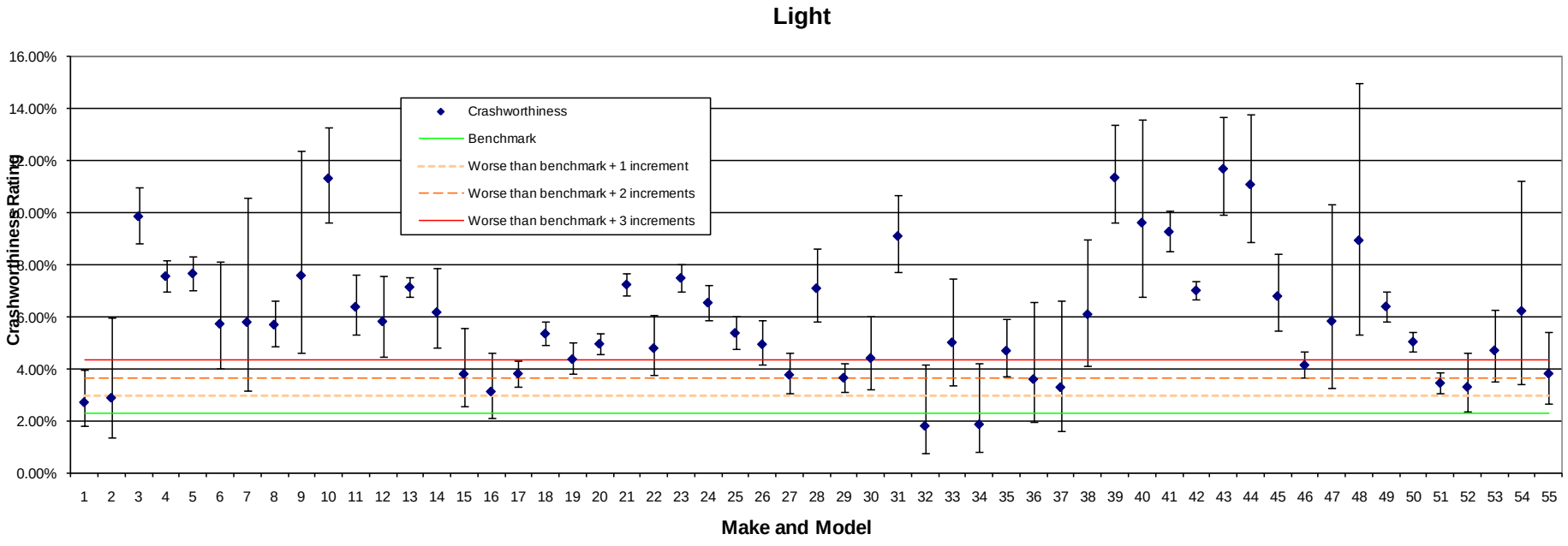
1	Alfa Romeo 164 89-92	28	Hyundai Sonata NF 05-10	55	Nissan 280ZX 82-84	81	Saab 9000 86-97
2	Alfa Romeo 156 99-06	29	Mitsubishi Sigma / Galant / Sapporo / Lambda 82-84	56	Nissan Bluebird 93-97	82	Saab 9-3 03-11
3	Audi A4 / S4 B8 / AllRoad 08-12	30	Mitsubishi Starion 82-87	57	Nissan 200SX / Silvia 94-02	83	Subaru 1800 / Leone / Omega / 4WD Wagon 82-93
4	Audi A4 95-01	31	Mitsubishi Galant 95-96	58	Nissan 350Z / Fairlady 03-09	84	Subaru Liberty / Legacy 89-93
5	Audi TT 99-06	32	Jaguar X-Type 02-10	59	Honda Accord Euro 03-08	85	Subaru Liberty / Legacy / Outback 94-98
6	Audi A4 01-08	33	Kia Credos 98-01	60	Honda Accord 03-07	86	Subaru Liberty / Legacy / Outback 99-03
7	BMW Z3 E36 97-03	34	Ford / Mazda Telstar / 626 / MX6 / Capella 83-86	61	Honda Accord 82-85	87	Subaru Liberty / Legacy / Outback 03-09
8	BMW 3 Series E90 /E91 /E92 /E93 05-12	35	Ford / Mazda Telstar / 626 / MX6 / Capella 88-91	62	Honda Accord 86-90	88	Toyota Corona 82-88
9	BMW 3 Series E30 82-91	36	Ford / Mazda Telstar / 626 / MX6 / Capella / Cronos 92-97	63	Honda Accord 91-93	89	Toyota Camry 83-86
10	BMW 3 Series E36 92-98	37	Mazda 626 98-02	64	Honda Accord 94-98	90	Holden / Toyota Apollo JK/JL / Camry / Vista 88-92
11	BMW 3 Series E46 99-06	38	Mazda RX7 82-85	65	Honda Accord 99-02	91	Holden / Toyota Apollo JM/JP / Camry / Sceptor 93-97
12	Chrysler PT Cruiser 00-10	39	Mazda RX7 86-91	66	Honda Accord 08-12	92	Toyota Camry 98-02
13	Citroen C5 01-08	40	Mazda Eunos 500 93-99	67	Honda Accord Euro 08-12	93	Toyota Celica 81-85
14	Daewoo Espero 95-97	41	Mazda Eunos 800 94-00	68	Honda Prelude 82-82	94	Toyota Celica 86-89
15	Daewoo Leganza 97-02	42	Mazda 6 / Atenza 02-07	69	Honda Prelude 83-91	95	Toyota Celica 90-93
16	Daewoo Tacuma 00-04	43	Mazda RX-8 03-11	70	Honda Prelude 92-96	96	Toyota Celica 94-99
17	Ford Mondeo 95-01	44	Mazda 6 / Atenza 08-11	71	Honda Prelude 97-02	97	Toyota Celica 00-05
18	Ford Mondeo 07-12	45	Mercedes Benz C-Class W201 87-93	72	Peugeot 407 04-11	98	Lexus IS200 / IS300 99-04
19	Ford Probe 94-98	46	Mercedes Benz C-Class W202 95-00	73	Peugeot 405 89-97	99	Toyota Camry 02-06
20	Ford Cougar 99-03	47	Mercedes Benz CLK C208 97-03	74	Peugeot 505 82-93	100	Lexus IS350 / IS250 / IS F 05-12
21	Holden Calibra 94-97	48	Mercedes Benz SLK R170 97-04	75	Peugeot 406 96-04	101	Toyota Camry 06-11
22	Holden Camira 82-89	49	Mercedes Benz C-Class W203 00-07	76	Porsche 944 82-91	102	Volvo 200 Series 82-93
23	Holden Vectra 97-03	50	Mercedes Benz CLK C209 03-09	77	Renault Feugo 82-87	103	Volvo S60 01-09
24	Holden Vectra ZC 03-05	51	Mercedes Benz C-Class W204 / C204 07-12	78	Rover 75 01-05	104	Volvo S40/V50 04-12
25	Hyundai Sonata 98-01	52	Nissan Pintara 86-88	79	Saab 900 Series 82-92	105	Volkswagen Passat 98-06
26	Hyundai Sonata EF 02-05	53	Nissan / Ford Pintara / Corsair / Bluebird 89-92	80	Saab 900/9-3 94-02	106	Volkswagen Passat 06-12
27	Hyundai Tiburon 02-10	54	Nissan Bluebird 82-86				

Figure 9: *Crashworthiness Ratings for Small cars (with 90% confidence limits)*



1	Alfa Romeo 33 83-92	35	Hyundai Excel 86-90	68	Mazda 3 / Axela 09-12	101	Proton Wira 95-96
2	Alfa Romeo 75 86-92	36	Hyundai Excel 90-94	69	Mercedes Benz A-Class W168 98-04	102	Proton Gen 2 04-12
3	Alfa Romeo GTV 82-84	37	Hyundai Excel / Accent 95-00	70	Mercedes Benz A-Class W169 05-09	103	Renault Megane II 03-10
4	Alfa Romeo Sprint 82-88	38	Hyundai Elantra 00-06	71	Mercedes Benz B-Class W245 05-12	104	Renault 19 91-96
5	Alfa Romeo Alfasud 82-84	39	Hyundai Accent 06-09	72	Holden / Nissan Astra / Pulsar / Langley 84-86	105	Renault Scenic 01-04
6	Alfa Romeo 147 / GT 01-10	40	Hyundai i30 07-12	73	Holden / Nissan Astra / Pulsar / Vector / Sentra 88-90	106	Rover Quintet 82-86
7	Audi A3 04-12	41	Hyundai S Coupe 90-96	74	Nissan Pulsar / Vector / Sentra 92-95	107	MG MGF / MG TF 99-05
8	Audi A3/S3 97-04	42	Hyundai Lantra 91-95	75	Nissan Pulsar / Vector / Sentra 96-99	108	Subaru Impreza 93-00
9	BMW 1 Series E81 / E82 / E87 / E88 04-12	43	Hyundai Lantra 96-00	76	Nissan Pulsar / Bluebird Sylphy 00-05	109	Subaru Impreza 01-07
10	Chrysler Neon 96-99	44	Hyundai Coupe 96-00	77	Nissan Stanza 82-83	110	Subaru Impreza 07-11
11	Chrysler Neon 00-02	45	Hyundai Accent 00-06	78	Nissan Gazelle / Silvia 84-86	111	Suzuki Baleno / Cultus Crescent 95-02
12	Citroen BX 86-94	46	Mitsubishi Lancer / Mirage CA 89-90	79	Nissan Exa 83-86	112	Suzuki Liana 01-07
13	Citroen C4 05-10	47	Mitsubishi Lancer / Mirage CB 91-92	80	Nissan Exa 87-91	113	Toyota Corolla 82-84
14	Citroen Xsara 00-05	48	Mitsubishi Lancer / Mirage CC 93-95	81	Nissan NX/NX-R 91-96	114	Toyota Corolla 86-88
15	Daihatsu Applause 89-99	49	Mitsubishi Lancer / Mirage CE 96-03	82	Nissan Tiida 06-12	115	Toyota / Holden Corolla / Nova 89-93
16	Daewoo 1.5i 94-95	50	Mitsubishi Cordia 83-87	83	Honda Civic 82-83	116	Toyota / Holden Corolla / Nova 94-97
17	Daewoo Cielo 95-97	51	Mitsubishi Lancer CE / CG / Cedia 02-03	84	Honda Civic / Ballade / Shuttle 84-87	117	Toyota Corolla / Allex 98-01
18	Daewoo Nubira 97-03	52	Mitsubishi Lancer CH 03-07	85	Honda Civic / Shuttle 88-91	118	Toyota Corolla 02-07
19	Daewoo Lanos 97-03	53	Mitsubishi Lancer CJ 08-12	86	Honda Civic 92-95	119	Toyota Corolla 07-12
20	Daewoo Lacetti 03-04	54	Kia Rio 00-05	87	Honda Civic 96-00	120	Toyota Tercel 83-88
21	Ford Laser 91-94	55	Kia Spectra 01-04	88	Honda CRX 87-91	121	Toyota MR2 87-90
22	Ford Laser 95-97	56	Kia Cerato LD 04-08	89	Honda CRX 92-98	122	Toyota MR2 91-00
23	Ford Capri 89-94	57	Kia Rio JB 05-11	90	Honda S2000 99-09	123	Toyota Paseo / Cynos 91-99
24	Ford Focus LR 02-05	58	Kia Cerato TD 09-12	91	Honda Civic 01-05	124	Toyota MR2 00-05
25	Ford Focus LS / LT 05-09	59	Ford / Mazda Laser / 323 / Familia 82-88	92	Honda Civic 06-11	125	Toyota Corolla 4WD Wagon 92-96
26	Ford Focus LV 09-12	60	Mazda 323 / Familia / Lantis 90-93	93	Honda Integra 86-88	126	Toyota Prius II 03-09
27	Fiat Regata 84-88	61	Mazda 323 / Familia / Lantis 95-98	94	Honda Integra 90-92	127	Volvo 300 Series 84-88
28	Holden Gemini 82-84	62	Ford / Mazda Laser / 323 99-03	95	Honda Integra 93-01	128	Volvo S40/V40 97-04
29	Holden Gemini RB 86-87	63	Mazda MX5 / Eunos Roadster 89-97	96	Honda Integra 02-06	129	Volkswagen Golf 82-94
30	Holden Astra TR 96-98	64	Mazda MX5 / Eunos Roadster 98-05	97	Honda Concerto 89-93	130	Volkswagen Golf 95-98
31	Holden Astra TS 98-06	65	Mazda Eunos 30X / Presso / MX-3 / Autozam AZ-3 90-97	98	Peugeot 308 08-12	131	Volkswagen Golf / Bora 99-04
32	Holden Astra AH 04-09	66	Mazda 3 / Axela 03-09	99	Peugeot 306 94-01	132	Volkswagen New Beetle 00-11
33	Holden Viva JF 05-09	67	Mazda MX-5 05-12	100	Peugeot 307 01-09	133	Volkswagen Golf / Jetta 04-09
34	Holden Cruze JG / JH 09-12						

Figure 10: *Crashworthiness Ratings for Light cars (with 90% confidence limits)*



1	Mini Mini Cooper 02-12	20	Hyundai Getz / TB 02-11	38	Renault Clio 01-08
2	Citroen C3 02-10	21	Mitsubishi Mirage / Colt 82-88	39	Subaru Sherpa / Fiori / 700 / Rex 89-92
3	Daihatsu Charade 82-86	22	Mitsubishi Colt 04-11	40	Suzuki Swift 82-85
4	Daihatsu Charade 88-92	23	Ford / Mazda Festiva WA / 121 87-90	41	Holden / Suzuki Barina / Swift / Cultus 86-88
5	Daihatsu Charade 93-00	24	Mazda 121 / Autozam Review 94-96	42	Holden / Suzuki Barina / Swift / Cultus 89-99
6	Daihatsu Pyzar 97-01	25	Mazda 121 Metro / Demio 97-02	43	Suzuki Hatch / Alto 82-84
7	Daihatsu Move 97-99	26	Mazda 2 / Demio 02-07	44	Suzuki Alto 85-00
8	Daihatsu Sirion / Storia 98-04	27	Mazda 2 / Demio 07-12	45	Suzuki Ignis 00-02
9	Daihatsu Charade 03-05	28	Nissan Micra 95-97	46	Suzuki Swift 05-10
10	Daihatsu Mira 90-96	29	Honda Jazz / Fit 02-08	47	Suzuki Alto 09-12
11	Daewoo Matiz 99-04	30	Honda Jazz GE / Fit 08-12	48	Suzuki Swift 11-12
12	Daewoo Kalos 03-04	31	Honda City 83-86	49	Toyota Starlet 96-99
13	Ford Festiva WD/WH/WF 94-01	32	Honda City 09-12	50	Toyota Echo 99-05
14	Ford Ka 99-02	33	Peugeot 205 87-94	51	Toyota Yaris / Vitz 05-11
15	Ford Fiesta WP/WQ 04-08	34	Peugeot 207 07-12	52	Toyota Yaris / Vitz 11-12
16	Ford Fiesta WS 09-12	35	Peugeot 206 99-07	53	Volkswagen Polo 96-00
17	Holden Barina XC / Combo 01-12	36	Proton Satria 97-05	54	Volkswagen Polo 01-02
18	Holden Barina SB 95-00	37	Proton Savvy 06-11	55	Volkswagen Polo 02-10
19	Holden Barina TK 05-11				

5.2 Aggressivity

5.2.1 Aggressivity towards Other Car Drivers and Unprotected Road Users

Using the methods described in Section 4.2, logistic regression models of the injury risk and injury severity of the focus road user were built separately as functions of both vehicle model and market group of the focus vehicle colliding with the other road user whose injury outcome is being modelled. Variations in the other factors listed in Section 4.2, including other road user type, were adjusted in the model by including them as predictors in the logistic regression models along with the focus vehicle model or market group. The aggressivity injury risk measure is based only on the injury outcome to drivers of other vehicles.

The logistic regression models of aggressivity injury risk showed the following non-vehicle factors and their interactions to be statistically significant predictors of injury risk; (factors age and sex refer to focus driver whose injury outcome is being modelled). The average aggressivity injury risk in the data was 16.22%.

Base effect terms	**First order interactions**	**Second order interaction**
Sex	Sex*Year	Speedzone*State*Year
Speedzone	Age*Speedzone	Sex*Speedzone*State
Age	Age*Sex	Age*Speedzone*State
State	Age*Year	Sex*State*Year
Year	Speedzone*Year	Age*State*Year
	Speedzone*State	Age*Sex*State
	Age*State	
	State*Year	
	Sex*State	
	Sex*Speedzone	

The logistic regression models of aggressivity injury severity users showed the following non-vehicle factors and their interactions to be statistically significant predictors of injury severity. These factors were included in the logistic model; (factors age and sex refer to the age and sex of the other driver or unprotected road user). The average aggressivity injury severity in the data was 23.72%.

Base effect terms	**First order interactions**	**Second order interaction**
Sex	Sex*State	Speedzone*State*Crashtype
Speedzone	Sex*Crashtype	Speedzone*State*Year
Age	Age*Sex	Age*State*Crashtype
State	Age*Crashtype	Sex*Year*Crashtype
Year	Year*Crashtype	
Crashtype	Speedzone*State	
	Age*State	
	State*Crashtype	
	State*Year	
	Speedzone*Year	
	Speedzone*Crashtype	
	Sex*Year	

Final estimates of vehicle aggressivity towards other road users were obtained by multiplying the estimated injury risk and injury severity components for each vehicle. Confidence limits on each of the estimated aggressivity ratings were calculated.

Aggressivity ratings were obtained for 500 different vehicle models that satisfied the inclusion criteria for analysis. The estimated aggressivity ratings and their injury risk and injury severity components for individual vehicle models are given in Appendix 5 along with (95% confidence limits on the estimated aggressivity ratings.

Table 4 summarises the estimated injury risk, injury severity and aggressivity ratings by the 10 broad market groups along with the estimated 95% confidence limits on the aggressivity ratings. The estimated aggressivity rating is the expected number of road users killed or seriously injured per 100 involved in two-car tow-away collisions where their vehicle impacts with one of the designated models or market groups. Table 4 shows large sports utility vehicles to be the most aggressive towards drivers of other vehicles, with an average of 5.39 unprotected road users or drivers being killed or seriously injured for every 100 tow-away crashes with a large sports utility vehicle. Similarly, Table 4 shows light cars to be the least aggressive towards unprotected road users or drivers of other vehicles, with an average aggressivity rating of 2.52.

Table 4: *Estimated Vehicle Aggressivity towards Other Drivers and Unprotected Road Users by Market Grouping*

Market Group	Other Driver Injury Risk (%)	Other Driver Injury Severity (%)	Aggressivity Rating *	Overall rank order	Lower 95% Confidence limit	Upper 95% Confidence limit	Width of Confidence interval
Overall Average	**16.22**	**23.72**	**3.85**				
SMALL SUV	15.30	22.99	3.52	4	3.21	3.86	0.65
MEDIUM SUV	16.50	24.02	3.96	6	3.68	4.26	0.58
LARGE SUV	19.83	27.19	5.39	10	5.05	5.76	0.72
COMMERCIAL - UTE	17.50	25.46	4.46	8	4.18	4.75	0.57
COMMERCIAL - VAN	19.27	25.18	4.85	9	4.51	5.23	0.72
LARGE	15.96	23.24	3.71	5	3.48	3.95	0.46
MEDIUM	14.74	22.49	3.32	3	3.11	3.54	0.43
PEOPLE MOVER	17.13	24.33	4.17	7	3.85	4.51	0.67
SMALL	13.08	21.64	2.83	2	2.65	3.02	0.37
LIGHT	11.96	21.09	2.52	1	2.35	2.71	0.35

* Serious injury rate per 100 drivers of other vehicles and unprotected road users involved in collisions with vehicles from the given market group

Appendix 5 shows the estimated aggressivity ratings towards drivers of other vehicles and unprotected road users for the 500 individual vehicle models rated. Ratings ranged from a minimum of 1.38 serious injuries per 100 crashes for the 1998-2005 Saab 9-5 to a maximum of 9.32 serious injuries per 100 crashes for the 2001-2007 Hyundai Terracan.

5.2.2 Comparisons with the Benchmark Rating

As for the crashworthiness rating, a rating presentation was used which classifies vehicles according to where their aggressivity rating lies in relation to a best performance benchmark. The benchmark rating in this update was defined as the rating above which 11% of the rating point estimates were better (see Section 5.4). The point against which ratings for individual vehicles are compared is arbitrary, whether it is the average used in previous updates or the benchmark rating described above or some other point.

Classification categories are defined by distances away from this benchmark. The five categories were defined as follows.

- Equal to the benchmark.
- Worse than the benchmark.
- At least 20% worse than the benchmark.
- At least 40% worse than the benchmark.
- At least 60% worse than the benchmark.

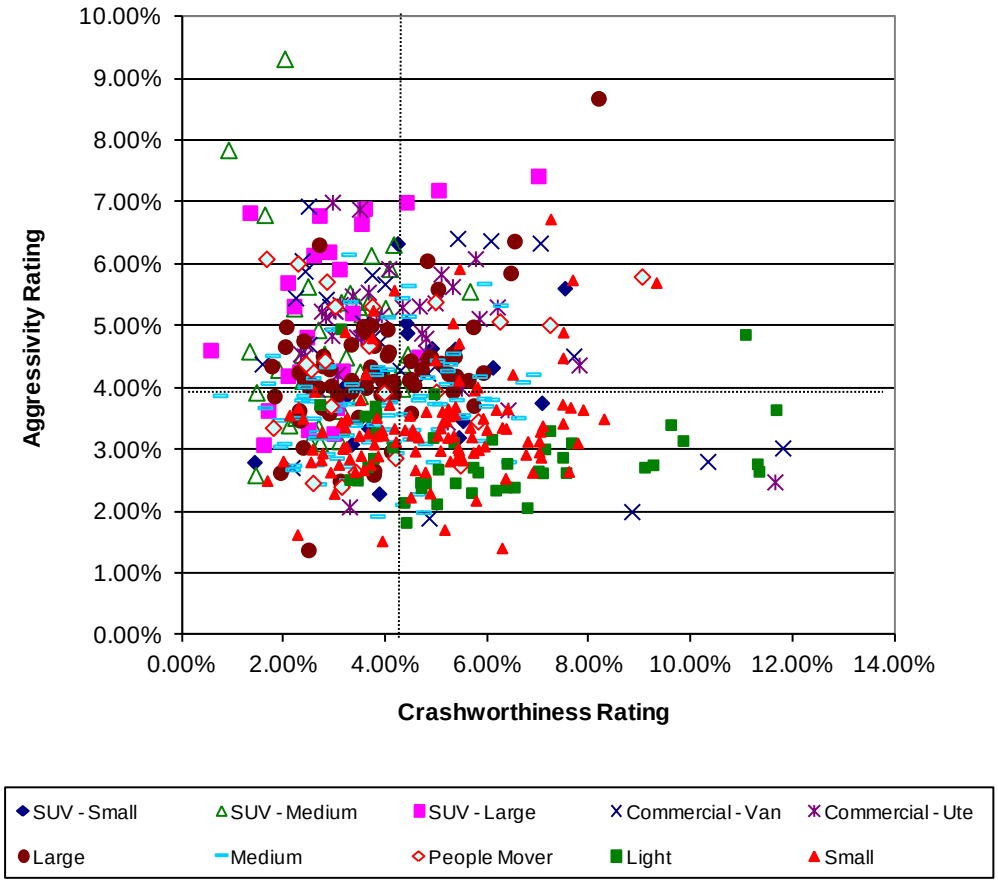
Again this choice is arbitrary but should aim to spread the vehicles across the performance categories. Vehicles are classified into each category according to the band in which the lower confidence limit on the rating lies. Using only the lower confidence limit defines a true one-sided statistical test which is equal for each rating. Aggressivity ratings are shown by presentation category in Appendix 7.

5.2.3 Relationship between Aggressivity and Crashworthiness

In assessing the British vehicle safety indices, Broughton (1996) found a strong inverse relationship between the indices for crashworthiness and aggressivity. Figure 11 shows the aggressivity measure plotted against crashworthiness for those vehicle models with both ratings. As Figure 11 shows, the inverse relationship between the two measures is not particularly strong. The dotted lines in Figure 11 represent the average aggressivity and crashworthiness of the vehicles assessed. Points in the lower left quadrant defined by the dotted lines represent vehicles with relatively low aggressivity as well as good (low) estimated crashworthiness. This area is populated by a number of small and medium vehicle models as well as some small SUVs. In contrast, vehicle models in the upper right quadrant of Figure 11 defined by the dotted lines show relatively poor crashworthiness and high aggressivity. There are a number of commercial vans and utilities in this quadrant along with some small vehicle models, people movers and small SUVs. The remaining two quadrants are populated with vehicles that only perform well on either crashworthiness or aggressivity measures. Light cars tend to have low aggressivity but also poor crashworthiness whilst large and medium SUVs tend to exhibit converse traits.

Absence of a strong relationship between the measures of aggressivity and crashworthiness confirms that the two quantities considered here are measuring two different aspects of a vehicle's safety performance. Whilst one would expect some relationship between the two measures given their common but opposite relationships with mass (Broughton, 1996; Cameron et al 1998), the lack of a strong relationship suggests vehicle mass is only playing a small part in aggressivity rating relative to vehicle total safety design. The independence of these two measures does not seem to have been achieved to the same degree under other systems (Broughton, 1996).

Figure 11: *Estimated Vehicle Aggressivity towards Other Drivers and Unprotected Road Users vs. Crashworthiness Rating*



5.3 Vehicle Total Secondary Safety Rating

5.3.1 Injury Risk

Total secondary safety injury risk was estimated from the data on road users involved in tow-away crashes in New South Wales, Queensland, South Australia and Western Australia during 1987-2012 (as described in Section 2). This data set is referred to as the "involved road users". Because of missing values in one or more of the covariates road user sex and age, speed zone and number of vehicles involved in the crash amongst the involved road users and vehicle models of interest, the final file used for analysis consisted of the 3,593,157 road users for which all the covariate data was complete. Of these road users 621,893 were injured. The "covariate" model for injury risk was determined from the variables described in Section 4.3.

The following terms were significantly associated with injury risk and were included in the logistic model:

Base effect terms	First order interactions	Second order interactions	Third order interactions
Sex	Speedzone*Crashtyp	Speedzone*State*Crashtyp	Sex*State*Year*Crashtyp
Speedzone	Sex*Age	Age*State*Crashtyp	Speedzone*State*Year*Crashtyp
Age	State*Year	Sex*State*Year	Age*Speedzone*State*Crashtyp
State	Sex*Speedzone	Sex*State*Crashtyp	Sex*Speedzone*State*Crashtyp
Year (of crash)	Age*State	Speedzone*State*Year	Age*Sex*State*Crashtyp
Crashtyp	Age*Crashtyp	Age*Speedzone*State	
	Speedzone*State	Age*Speedzone*Year	
	Sex*Crashtyp	Sex*Speedzone*Crashtyp	
	State*Crashtyp	Sex*Year*Crashtyp	
	Age*Speedzone	State*Year*Crashtyp	
	Sex*State	Age*State*Year	
	Age*Year	Age*Speedzone*Crashtyp	
	Sex*Year	Speedzone*Year*Crashtyp	
	Speedzone*Year	Age*Sex*Crashtyp	
	Year*Crashtyp	Age*Sex* Speedzone	
		Age*Sex*Year	
		Age*Sex*State	
		Sex*Speedzone*State	

No other term significantly improved the fit of the logistic model.

The overall (average) injury risk for light vehicle drivers or unprotected road users involved in tow-away crashes in NSW, Western Australia and Queensland was 17.31 per 100 involved. In other words, the average probability that a light vehicle driver or unprotected road user was injured in a tow-away crash involving a light passenger vehicle in NSW, Western Australia or Queensland was 17.31%.

Appendix 6 gives the estimates of total secondary safety injury risk derived by logistic regression for 617 individual car models. Injury risk ranged from 6.75% for the 1986-1994 Citroen BX to 35.99% for the 1982-1990 Daihatsu Hi Jet.

An estimate of the variability in the injury risk estimates was calculated from the width of the corresponding 95% confidence intervals. Individual confidence interval widths ranged from 0.56% for the 1993-1997 Holden Commodore VR/VS and Toyota Lexcen to 20.56% for the 1982-1988 Alfa Romeo Alfetta. The small variability for the Commodore/Toyota VR/VS/Lexcen sedans is not surprising since there were more cars of these models than any others in the data set and precision is known to improve with increasing sample size.

The estimated injury risk for each market group is also given in Appendix 6. The large sports utility market group had the lowest injury risk (15.29%) and the light car market group had the highest (19.15%).

5.3.2 Injury Severity

The data on "injured road users" covered road users of 1982-2012 model vehicles who were injured in crashes in Victoria, New South Wales, Western Australia, Queensland, South Australia or New Zealand during 1987-2012 (as described in Section 2). Because of missing values in one or more of the covariates amongst the injured road users, the final file used for analysis consisted of the 805,012 road users for which all the covariate data was complete. Of these road users 182,376 were seriously injured. The "covariate" model for injury severity was determined from the variables described in Section 4.3.

The following terms were significantly associated with injury severity and were included in the logistic model:

Base effect terms	First order interactions	Second order interaction	Third order interaction
Sex	Age*Sex	Speedzone*State*Year	Age*Speedzone*State*Year
Speedzone	Age*Crashtype	State*Year*Crashtype	
Age	Speedzone*State	Age*State*Year	
State	Age*State	Speedzone*State*Crashtype	
Year	State*Year	Age*State*Crashtyp	
Crashtype	Speedzone*Year	Sex*State*Crashtyp	
	Speedzone*Crashtype	Age*Speedzone*State	
	Sex*State	Speedzone*Year*Crashtyp	
	Age*Year	Age*Speedzone*Year	
	Year*Crashtype		
	State*Crashtype		
	Sex*Crashtype		
	Age*Speedzone		

No other term significantly improved the fit of the logistic model.

The overall (average) injury severity for injured light vehicle drivers or unprotected road users in the data analysed was 22.66 per 100 involved. In other words, the probability that a road user injured in a crash was severely injured was 22.66%. Appendix 6 gives the estimates of injury severity derived by logistic regression for 617 individual car models, or sets of combined models. Of the cars analysed, injury severity ranged from 9.48% for the 2001-2003 Hyundai Elantra Lavita to 50.89% for the 1982-1988 Alfa Romeo Alfetta.

An estimate of the variability in the estimates of injury severity was calculated from the width of the corresponding 95% confidence intervals. Individual confidence interval widths ranged from 1.41% for the 1989-1993 Holden Commodore VN/VP and Toyota Lexcen to 44.30% for the 1985-1998 Alfa Romeo 90.

The estimated injury severity for each market group is also given in Appendix 6. Small cars performed best with respect to injury severity, having the lowest average injury severity of 21.74%. The large sports utility vehicle market group had the highest average injury severity of 24.49%.

5.3.3 Total secondary safety index

The total secondary safety index for each car model and market group was obtained by multiplying the individual injury risk and injury severity estimates. Because each of the two components had been adjusted for the confounding factors, the resultant total secondary safety index was also adjusted for the influence of these factors.

Total secondary safety indices were obtained for each individual model and market group after adjusting for the confounding factors.

Appendix 6 gives the total secondary safety secondary index and the associated 90% confidence intervals for each of the 617 car models included in the analyses. Each rating is expressed as a percentage, representing the number of road users killed or admitted to hospital per 100 light vehicle drivers or unprotected road users involved in a tow-away focus crash. Overall ratings for the market groups are also given.

Each total secondary safety rating is an *estimate* of the true risk of a light vehicle driver or unprotected road user being killed or admitted to hospital in a tow-away crash and, as such, each

estimate has a level of uncertainty about it. This uncertainty is indicated by the confidence limits in Appendix 6. There is 90% probability that the confidence interval will cover the true risk of serious injury (death or hospital admission) to the light vehicle driver or unprotected road user involved in a crash with the particular model of vehicle.

Table 5 gives a summary of the estimated ratings for each of the 10 defined vehicle market groups. It shows the estimated injury risk and severity components, and the resulting total secondary safety index with upper and lower 95% confidence limits, and the width of the 95% confidence limit. The relative ranking of the total secondary safety index on each market group is also given in Table 5 although this should be interpreted with care as there is not necessarily a statistically significant difference between the average total secondary safety of each vehicle market group with different rankings. Statistical significance in average total secondary safety between market groups at the 5% level is only achieved when the 95% confidence limits do not overlap. Similar comments apply to interpreting results in Appendix 6.

Table 5: *Estimated Vehicle Total Secondary Safety by Market Grouping*

Market Group	Injury risk (%)	Injury severity (%)	Total Secondary Safety Index*	Overall rank order	Lower 95% Confidence limit	Upper 95% Confidence limit	Width of Confidence interval
Overall Average	**17.31**	**22.66**	**3.92**				
SMALL SUV	18.54	21.97	4.07	8	3.85	4.31	0.47
MEDIUM SUV	15.54	21.92	3.41	1	3.24	3.58	0.33
LARGE SUV	15.29	24.49	3.74	4	3.58	3.92	0.34
COMMERCIAL - UTE	16.29	23.51	3.83	5	3.67	3.99	0.33
COMMERCIAL - VAN	18.11	22.97	4.16	9	3.95	4.38	0.42
LARGE	16.65	22.36	3.72	3	3.57	3.88	0.30
MEDIUM	16.92	21.78	3.68	2	3.54	3.84	0.31
PEOPLE MOVERS	17.75	22.83	4.05	7	3.84	4.27	0.43
SMALL	17.85	21.74	3.88	6	3.72	4.04	0.32
LIGHT	19.15	22.32	4.28	10	4.10	4.46	0.36

- Serious injury rate per 100 road users involved

Table 5 shows medium four wheel drives to have the highest total secondary safety with an average of 3.41 light vehicle drivers or unprotected road users being killed or seriously injured for every 100 tow-away crashes. Similarly, light cars have the lowest total secondary safety with an average total secondary safety index of 4.28.

5.3.4 Comparisons with the Benchmark Rating

As for the crashworthiness and aggressivity ratings, a rating presentation was used for the total secondary safety index which classifies vehicles according to where their rating lies in relation to a best performance benchmark. The benchmark rating in this update was defined as the rating above which 11% of the rating point estimates were better (see Section 5.4). The point against which ratings for individual vehicles are compared is arbitrary, whether it is the average used in previous updates or the benchmark rating described above or some other point.

Classification categories are defined by distances away from this benchmark. For the total secondary safety index the five categories were defined as follows.

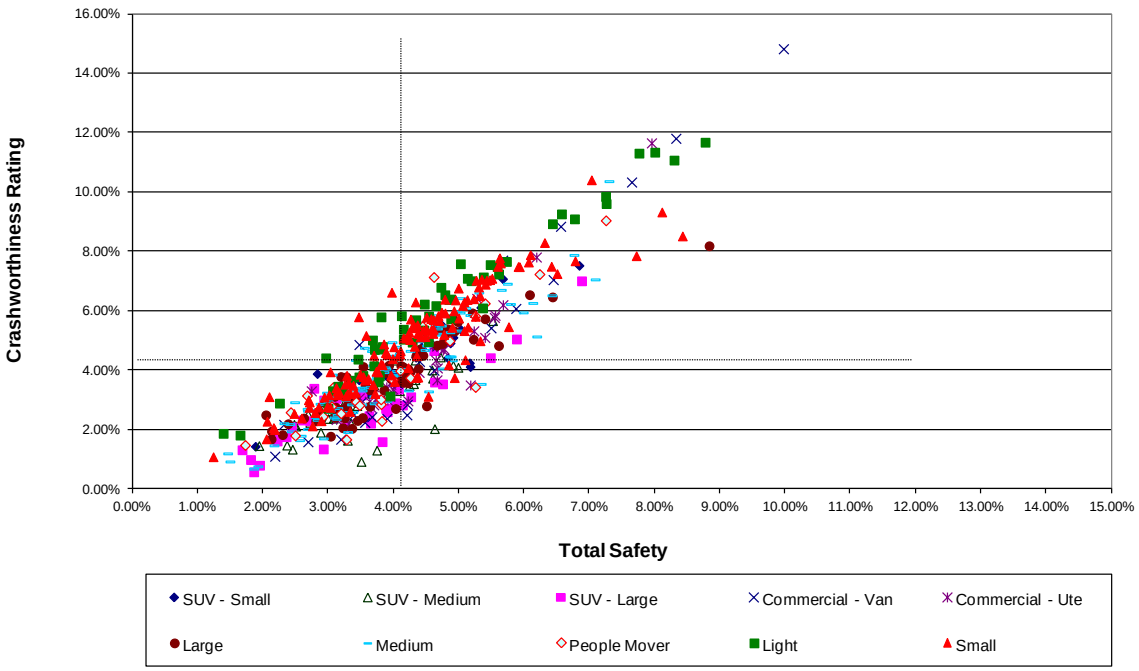
- Equal to the benchmark.
- Worse than the benchmark.
- At least 20% worse than the benchmark.
- At least 40% worse than the benchmark.
- At least 60% worse than the benchmark.

Again this choice is arbitrary but should aim to spread the vehicles across the performance categories. Vehicles are classified into each category according to the band in which the lower confidence limit on the rating lies. Using only the lower confidence limit defines a true one-sided statistical test which is equal for each rating. Total Secondary Safety ratings by classification category are shown in Appendix 7.

5.3.5 Comparison of Crashworthiness, Aggressivity and the Total Secondary Safety index

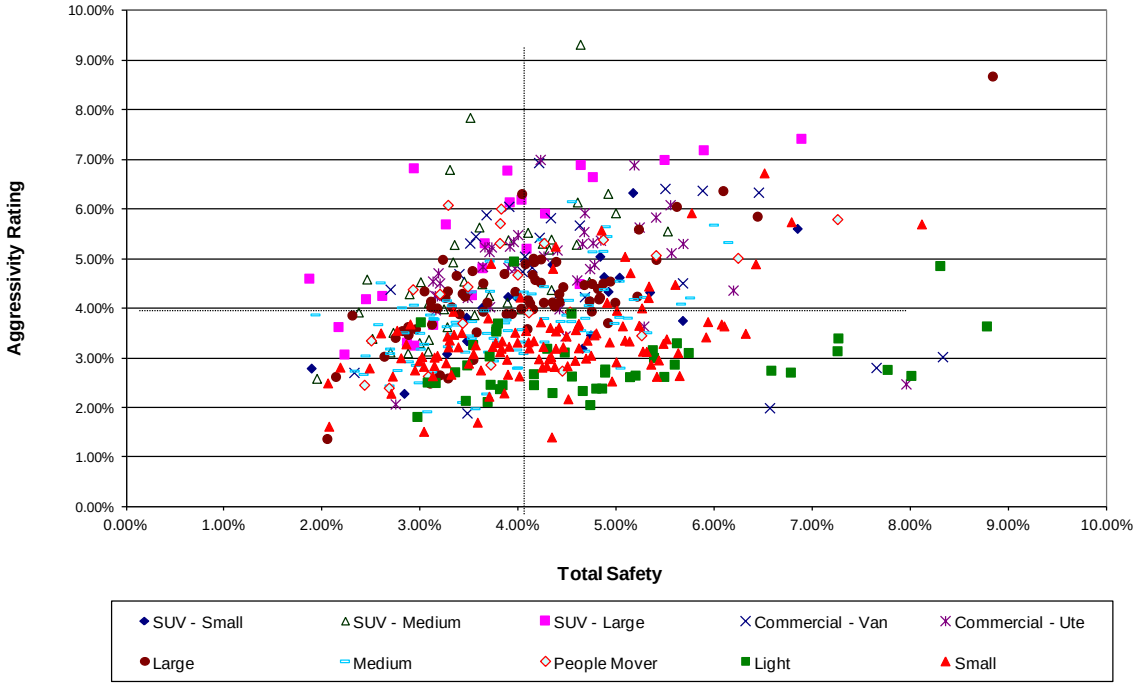
Figure 12 plots vehicle models crashworthiness ratings against their total secondary safety index. The solid lines on the chart are the average value for each index. Figure 12 shows a strong relationship exists between crashworthiness and total secondary safety reflecting that crashworthiness is relevant to injury outcome in all types of crashes involving light vehicles excluding those with unprotected road users.

Figure 12: *Crashworthiness vs. Total Secondary Safety*



In contrast, Figure 13 shows a much weaker relationship between aggressivity and total secondary safety reflecting that aggressivity is only relevant to injury outcome in crashes between 2 light vehicles and involving unprotected road users.

Figure 13: *Aggressivity vs. Total Secondary Safety*



Comparison by Market Groups

Tables 3, 4 and 5 show that essentially the rank order of the market groups within the total secondary safety index are consistent with the rankings within the crashworthiness measure but with a moderation effect on the total secondary safety index dependent on the aggressivity of the vehicle. In other words vehicles with high aggressivity display a shift in ranking for total secondary safety towards higher or worse total secondary safety. For example, large sports utility vehicles have shifted in their ranking from a 1 in the crashworthiness market group rankings to a ranking of 4 across the market groups for total secondary safety.

5.4 Presentation of Total Secondary Safety Index, Crashworthiness and Aggressivity Ratings for Consumer Information

Discussion in the previous work of Cameron et al (1998) noted the need for simplicity of presentation and interpretation in providing consumer safety advice through employing methods that summarised the complex statistical information contained in the ratings into an easily understood summary. From the ratings of Newstead et al (2000), a method of presentation of the estimated crashworthiness ratings for Australian vehicles was devised that is similar in philosophy to the presentation method devised by Folksam Insurance for presentation of Swedish ratings. The method took into account both the rating point estimate and confidence limits, but removed the emphasis from the point estimate. The same method of presentation was also used for the aggressivity and total secondary safety ratings.

As a first step in providing clear consumer information, the ratings presented have been filtered to ensure a minimum level of statistical accuracy and hence a high degree of confidence in the information presented. For the update of Newstead et al (2010a,b) the total secondary safety, crashworthiness and aggressivity ratings presented for consumer information the presentation criteria were tightened further to ensure even greater accuracy. Ratings presented in the consumer information derived in this report excluded those models where:

- the vehicle was manufactured prior to 1996 (compliance with the frontal impact standard ADR69 was mandated for most cars sold from 1996) for the brochure presentation – webbased presentation included all vehicles rated and manufactured from 1982 onwards, or

- the width of the 90% two-sided confidence interval was greater than 2.00%, or

- the ratio of the confidence interval width to the rating score (coefficient of variation) exceeded 1.6.

The presentation criteria used for the 2010, 2011 and 2012 updates were used for the most recent update of Newstead et al (2013a, b). For the current update, the criteria related to the the width of the 90% two-sided confidence interval was slightly modified to exclude those models where:

- the width of the 90% two-sided confidence interval was greater than 2.05%.

For the update of Newstead et al (2009a, b), a new rating presentation classified vehicles according to where their rating lay in relation to a 'best current performance' benchmark. The benchmark was set by choosing a percentile of the best (lowest) rating vehicles in the sample. The choice of percentile is arbitrary but should ideally be less than 15% - i.e. 15% of vehicles have a point estimate rating better than that value. The benchmark rating used in deriving the consumer presentation for the most recent update of Newstead et al (2013a,b) was defined as the value below which 11% of the rated vehicles' rating point estimates lay (noting that a numerical lower rating indicates better safety performance). For this update it was defined again as the value below which 11% of the rated vehicles' rating point estimates lay (again noting that a numerical lower rating indicates better safety performance). Classification categories were then defined by distance bands in which the lower confidence limit on each individual vehicle rating lie away from this benchmark. For both the crashworthiness and aggressivity ratings in the update of Newstead et al (2011a, b), for all of the ratings in the update of Newstead et al (2012a, b) and for the crashworthiness ratings in the update of Newstead et al (2013a, b) and this update, the five categories were defined as follows:

- Equal to the benchmark.
- Worse than the benchmark.
- At least 30% worse than the benchmark.
- At least 60% worse than the benchmark.
- At least 90% worse than the benchmark.

The separation gradients between categories are arbitrary but aimed to spread the vehicles relatively equally across the performance categories. Vehicles are classified into each category according to the band in which the lower confidence limit on the rating lies. Using only the lower confidence limit defines a true one-sided statistical test which is applied equally for each vehicle's rating.

The five categories used in the update of Newstead et al (2011a, b) for the total secondary safety index and also used for both the aggressivity ratings and total secondary safety index in the most recent update of Newstead et al (2013a, b) and the current update, were defined as follows:

- Equal to the benchmark.
- Worse than the benchmark.
- At least 20% worse than the benchmark.
- At least 40% worse than the benchmark.
- At least 60% worse than the benchmark.

Presentation of the estimated crashworthiness ratings in this way is shown in Appendix 7. The benchmark crashworthiness rating above which 11% of the crashworthiness rating estimates were

better is 2.28%. Colour coding of the categories has been used with green depicting that the rating is equivalent to the benchmark, blue depicting that the rating is worse than the benchmark through yellow and orange to red depicting at least 30%, 60% and 90% worse than the benchmark respectively.

A single column at the right of the table in Appendix 7 summarises the aggressivity rating category for each vehicle. The benchmark aggressivity rating above which 11% of the aggressivity rating estimates were better is 2.68%. In a manner similar to the classification of crashworthiness ratings, the estimated aggressivity ratings have been classified into five categories with each represented by a symbol in the final column of the table. These are:

- xx: At least 60% worse than the benchmark.
- x: At least 40% worse than the benchmark.
- **o**: At least 20% worse than the benchmark.
- +: Worse than the benchmark.
- ++: Equal to the benchmark.

Presentation of the estimated total secondary safety index rating category in a similar way is also shown in Appendix 7 in a single column at the right of the table. The benchmark total secondary safety index above which 11% of the total secondary safety rating estimates were better is 2.72%.

This presentation style has the advantage that it combines information about both the rating point estimate and confidence limit to classify the safety performance of the vehicle. Like the previous presentation format, this method of presentation takes the potential emphasis of the consumer off comparison of only the point estimate ratings, an emphasis that can be potentially misleading from the point of view of statistical confidence. Rather, the presentation method categorises vehicles according to the statistical significance of the difference of their estimated safety rating from defined points. Colour coding of the categories would typically be used with green depicting the safest category through blue, yellow and orange to red depicting the least safe category. 90% two-sided confidence limits have been used to categorise the crashworthiness ratings in Appendix 7. These are equivalent to a 95% one-sided confidence limit for the directional hypothesis testing how much greater than a defined point the ratings is, as employed in the new rating presentation.

In the update of Newstead et al (2012a) an additional column in the table in Appendix 7 provided suggested “best pick” vehicles by market group where the vehicle has a crashworthiness rating equal to the benchmark and a total safety index rating also equal to the benchmark. In the most recent update of Newstead et al (2013a) three additional columns in the table in Appendix 7 provided the “best pick” from the update of Newstead et al (2012a), indicated by the column headed *old* and a new ‘best pick’, based on the update of Newstead et al (2013a), headed *new*. The third column provided a further qualification on the new “best pick” by designating whether electronic stability control (ESC) was fitted. In the current update three columns in the table in Appendix 7 identify firstly, vehicles with both excellent crashworthiness and total secondary safety ratings where the ratings are equivalent to the corresponding benchmark as well as a further qualification that the vehicle’s aggessivity rating was no more than 20% worse than the benchmark. A column headed “best pick” further further qualified the vehicle selection as “best pick” by whether electronic stability control (ESC) was fitted as indicated by the third column.

Some vehicle models in Appendix 7 have no symbol in the aggressivity rating or total secondary safety index rating column. These vehicles have been involved in an insufficient number of crashes to have an aggressivity or total secondary safety rating estimated for them.

5.5 Crashworthiness by Year of Manufacture of the Australian Vehicle Fleet

5.5.1 Injury Risk

Injury risk was estimated from the data on drivers involved in tow-away crashes in New South Wales, South Australia, Western Australia and Queensland during 1987 to 2012. This data set is referred to as the "involved drivers". Because of missing values of some of the factors to be included in the logistic regression, and the exclusion of pre-1964 vehicles and unknown years, analysis was performed on data relating to 3,642,321 involved drivers, 650,892 of whom were injured. The following non-vehicle factors and their interactions were statistically significantly associated with injury risk and were included in the logistic regression model.

Base effect terms	First order interactions	Second order interactions	Third order interactions
Sex	Sex*Speedzone	Sex*Speedzone*Nveh	Age*Speedzone*Nveh*State
Nveh	Speedzone*Nveh	Sex*State*Year	Speedzone*Nveh*State*Year
Speedzone	Sex*Nveh	Age*Speedzone*Nveh	Age*Sex*Nveh*State
Age	Speedzone*Age	Age*Sex*Speedzone	Sex*Speedzone*Nveh*State
State	Age*Sex	Age*Nveh*State	Age*Sex*State*Year
Year (of crash)	Year*State	Nveh*State*Year	Age*Nveh*State*Year
	Age*Nveh	Speedzone*Nveh*State	Sex*Nveh*State*Year
	Nveh*State	Speedzone*State*Year	Age*Speedzone*Nveh*Year
	Nveh*Year	Age*State*Year	
	Age*State	Speedzone*Nveh*Year	
	Age*Year	Age*Sex*State	
	Speedzone*State	Sex*Speedzone*State	
	Sex*Year	Age*Speedzone*State	
	Speedzone*Year	Age*Sex*Nveh	
	Sex*State	Age*Nveh*Year	
		Sex*Nveh*Year	
		Sex*Nveh*State	
		Age*Sex*Year	
		Age*Speedzone*Year	

The overall (average) injury risk for involved drivers in tow-away crashes in NSW, Western Australia and Queensland was 17.87%. Appendix 8 gives the estimates of injury risk derived by logistic regression for the individual years of manufacture. The variability in the injury risk estimates relative to the year of manufacture can be seen from the width of the corresponding 95% confidence intervals.

5.5.2 Injury Severity

The data on "injured drivers" covered drivers who were injured in crashes in Victoria or New South Wales during 1987-2012 or South Australia during 1995-2012 or Queensland during 1991-2012 and Western Australia during 1991-2012. Because of missing values of some of the associated crash factors and the exclusion of pre-1964 vehicles and unknown years, logistic regression was performed on data relating to 673,539 injured drivers, 162,734 of whom were severely injured (killed or admitted to hospital). The analysis identified a number of statistically significant non-vehicle factor and their interactions associated with injury severity. These were:

Base effect terms	First order interactions	Second order interactions	Third order interactions
Sex	Sex*Speedzone	Speedzone*Nveh*Year	Speedzone*Nveh*State*Year

Nveh	Speedzone*Nveh	Age*Speedzone*Nveh	Age*Nveh*State*Year
Speedzone	Speedzone*State	Age*Sex*Year	
Age	Speedzone*Age	Age*State*Year	
State	Age*Sex	Speedzone*Nveh*State	
Year (of crash)	Year*State	Speedzone*State*Year	
	Age*Nveh	Sex*State*Year	
	Nveh*State	Nveh*State*Year	
	Speedzone*Year	Sex*Nveh*State	
	Age*State	Age*Sex*Nveh	
	Age*Year	Age*Speedzone*State	
	Sex*State	Sex*Speedzone*Nveh	
	Sex*Year	Age*Nveh*Year	
	Nveh*Year	Age*Nveh*State	
	Sex*Nveh	Age*Sex*State	

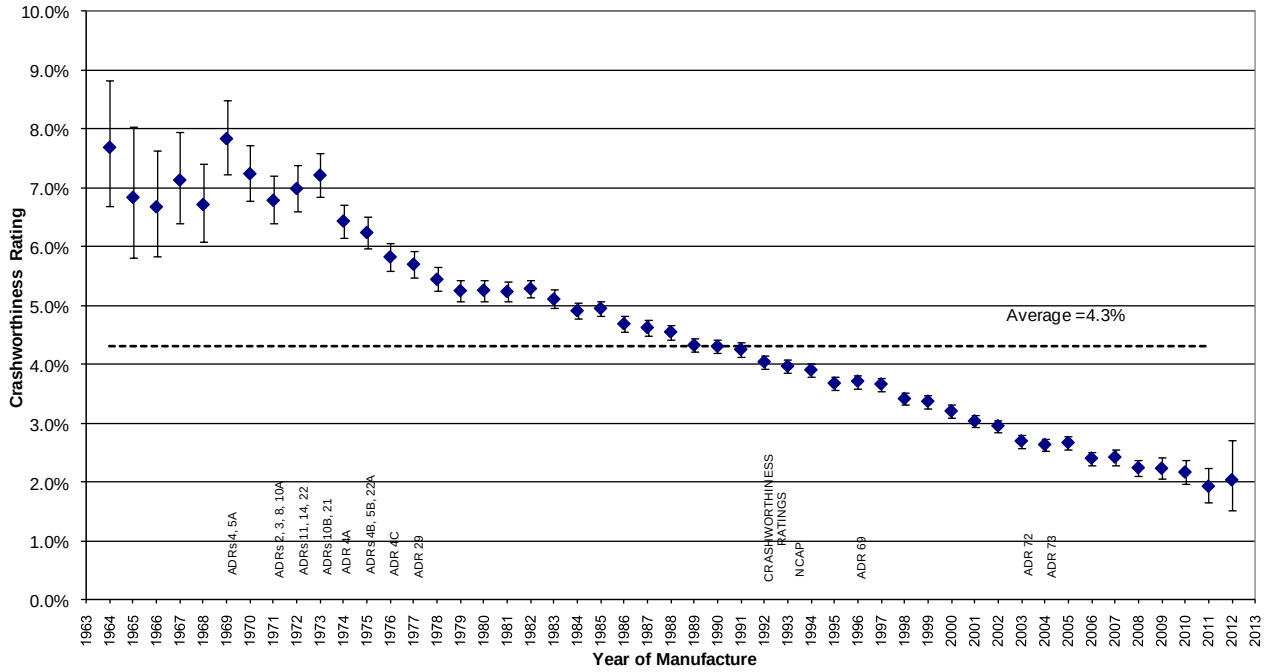
The overall (average) injury severity for injured drivers was 24.16%. Appendix 8 gives the estimates of injury severity derived by logistic regression for the individual years of manufacture. The variability in the estimates of injury severity relative to year of manufacture can be seen from the width of the corresponding 95% confidence intervals.

5.5.3 Crashworthiness by Year of Manufacture

The crashworthiness estimates for each year of manufacture were obtained by multiplying the individual injury risk and injury severity estimates. Because each of the two components has been adjusted for the confounding factors, the resultant crashworthiness estimate is also adjusted for the influence of them. Appendix 8 gives the crashworthiness estimates and the associated 95% confidence intervals for each of the 49 years of manufacture included in the analysis. Each estimate is expressed as a percentage, representing the number of drivers killed or admitted to hospital per 100 drivers involved in a tow-away crash. 95% confidence limits on the estimates are also given.

The crashworthiness estimates and their confidence limits are plotted for each year of manufacture in Figure 14. The relatively wide confidence intervals observed on the estimates of crashworthiness for years of manufacture 1964 to 1969 and 2012 are a reflection of the smaller numbers of crashes involving vehicles manufactured in these years appearing in the data. Introduction of key safety related Australian Design Rules as well as consumer information programs likely to have influenced levels of vehicle safety are also shown on Figure 14. Full details of these initiatives are given in Newstead et al (2006).

Figure 14: *Crashworthiness by year of manufacture (with 95% confidence limits)*



The injury risk component of the crashworthiness estimate, together with its 95% confidence limits, is plotted in Figure 15. In a similar way, the injury severity component is plotted in Figure 16.

Figure 15: *Injury risk by year of manufacture (with 95% confidence limits)*

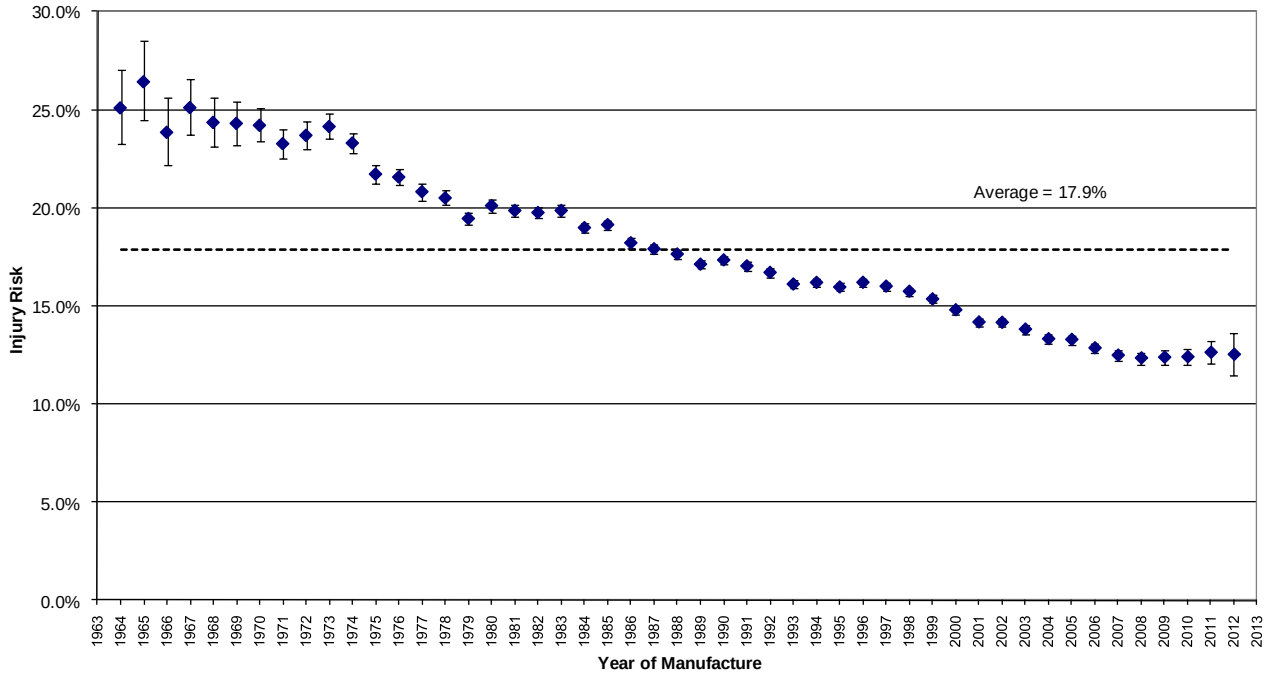
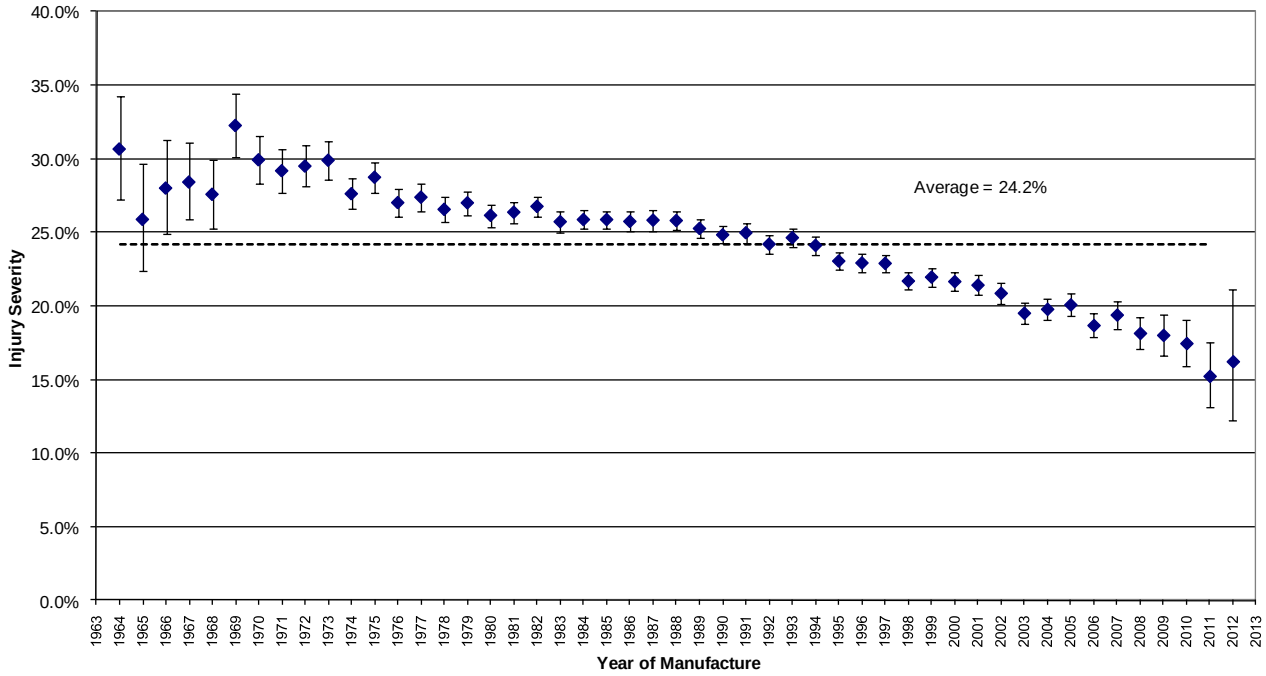


Figure 16: *Injury severity by year of manufacture (with 95% confidence limits)*



5.6 Crashworthiness by Year of Manufacture and Market Group for the Australian Vehicle Fleet

Using the methods of Newstead and Cameron (2001), trends in vehicle crashworthiness by year of manufacture have been estimated separately for each of the 10 defined vehicle market groups. Because vehicle model information was required to assign a market grouping, analysis of trends by year of manufacture within market group could only be carried out for vehicles manufactured from 1982 to 2012. In contrast to estimation of crashworthiness ratings by vehicle model, there was no minimum data requirement for a particular model to be included in the analysis. Hence all vehicle models for which a market group could be assigned were included. However, despite aggregation over vehicle models, it was not possible to estimate crashworthiness estimates for particular years of manufacture in certain market groups due to insufficient data quantities.

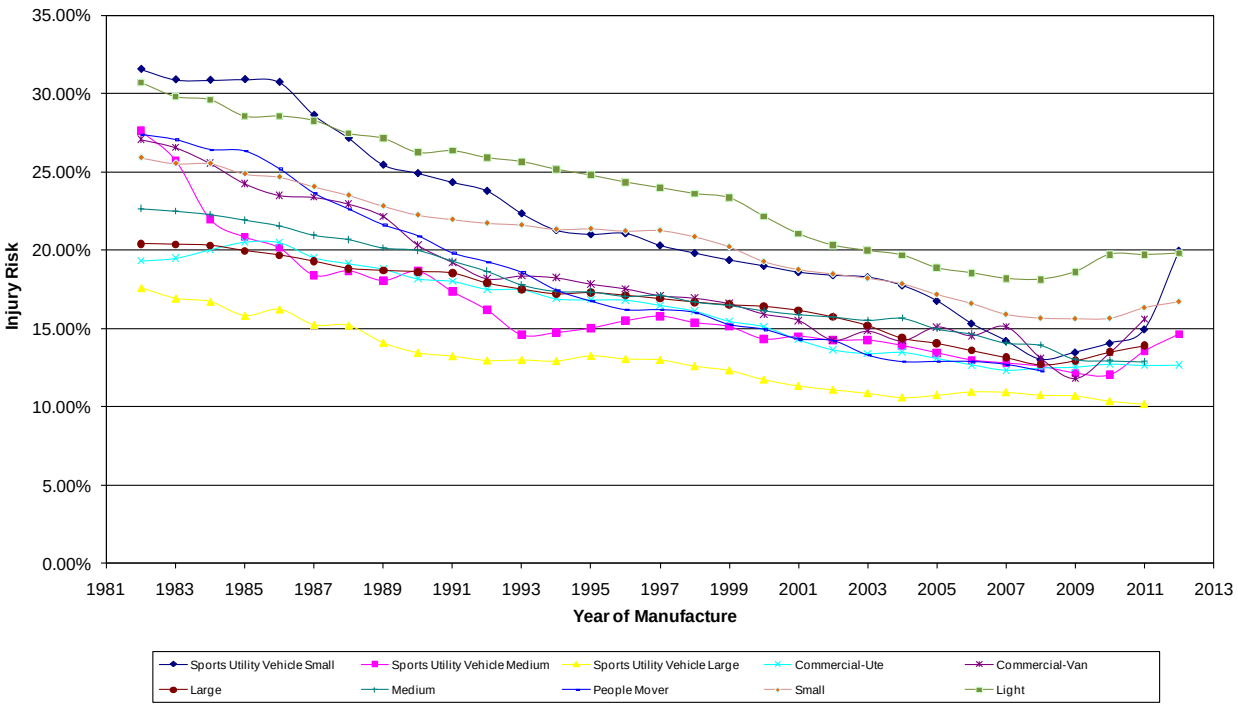
5.6.1 Injury Risk

Injury risk was estimated from the data on 2,398,711 drivers of 1982 to 2012 vehicles with identified model, market group and covariate details involved in tow-away crashes in New South Wales, South Australia, Western Australia and Queensland during 1987 to 2012. The following non-vehicle factors and their interactions were statistically significantly associated with injury risk and were included in the logistic regression model.

Base effect terms	First order interactions	Second order interactions	Third order interactions
Sex	Speedzone*Nveh	Age*Speedzone*Nveh	Sex*Speedzone*State*Nveh
Speedzone	Sex*Nveh	Sex*Speedzone*Nveh	Age*Speedzone*State*Nveh
Age	Sex*Age	Speedzone*Year*Nveh	
Nveh	Age*Nveh	Sex*State*Nveh	
State	Speedzone*Age	Speedzone*Nveh*State	
Year	State*Year	State*Year*Nveh	
	Nveh*State	Age*State*Nveh	
	Year*Nveh	Age*Speedzone*State	
	Age*State	Speedzone*State*Year	
	Age*Year	Sex*Speedzone*State	
	Speedzone*Year	Age*Speedzone*Year	
	Speedzone*State	Sex*Year*Nveh	
	Sex*Speedzone		
	Sex*State		
	Sex*Year		

Figure 17 shows the estimates of injury risk by year of vehicle manufacture for each of the 10 market groups considered. Estimates have been smoothed using a linear smoothing function over a window of three years (the central year and a year either side). Smoothing of the estimates was carried out to better identify the trends in the data. Smoothing in this way also compensates for known error in the recording of the year of vehicle manufacture, an error typically up to one year from the true date of manufacture.

Figure 17: *Estimated injury risk by year of vehicle manufacture and market group*



5.6.2 Injury Severity

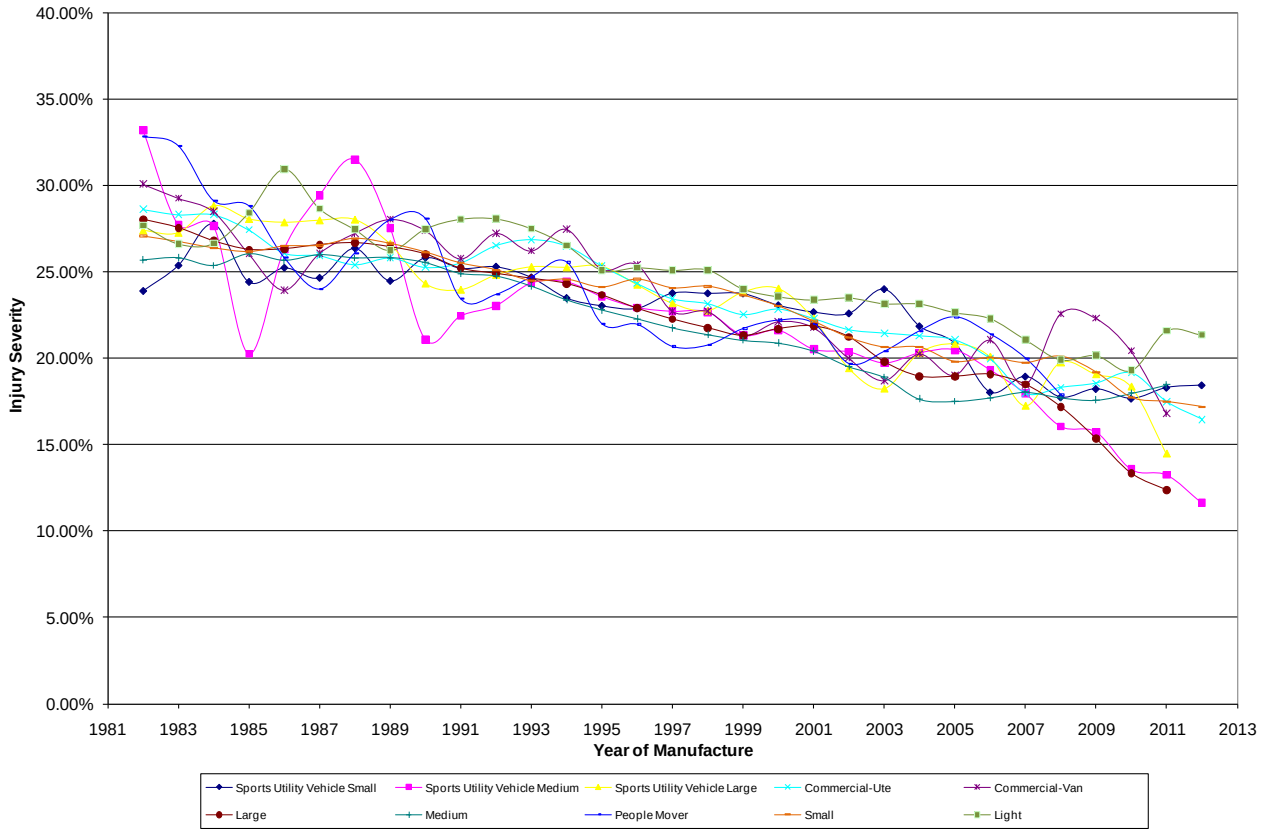
The data for computation of injury severity covered 400,333 drivers of 1982-2012 vehicles with identified model, market group and covariate details who were injured in crashes in Victoria or New

South Wales during 1987-2012, South Australia during 1995-2012 or Queensland or Western Australia during 1991-2012. The following non-vehicle factors and their interactions were significantly associated with injury severity:

Base effect terms	First order interactions	Second order interactions	Third order interactions
Sex	Sex*State	Speedzone*Nveh*State	Speedzone*State*Year*Nveh
Speedzone	Speedzone*Nveh	Speedzone*State*Year	
Age	Age*Sex	Age*State*Nveh	
Nveh	Nveh*State	Age*State*Year	
State	Speedzone*Age	State*Year*Nveh	
Year	Age*State	Speedzone*Year*Nveh	
	Age*Nveh	Sex*State*Nveh	
	State*Year	Age*Sex*State	
	Speedzone*Year	Age *Sex*Nveh	
	Age*Year		
	Year*Nveh		
	Speedzone*State		

Figure 18 shows the estimates of injury severity by year of vehicle manufacture for each of the 10 market groups considered. Estimates have again been smoothed to better identify the trends in the data.

Figure 18: Estimated injury severity by year of vehicle manufacture and market group



5.6.3 Crashworthiness by Year of Manufacture and Market Group

The crashworthiness estimates for each year of manufacture were obtained by multiplying the individual injury risk and injury severity estimates. Appendix 9 gives the crashworthiness estimates and the associated 95% confidence intervals for each of the years of manufacture from 1982 to 2012 by each of the 10 vehicle market groups considered. Each estimate is expressed as a percentage, representing the number of drivers killed or admitted to hospital per 100 drivers involved in a tow-away crash. The crashworthiness estimates are plotted for each year of manufacture and vehicle market group in Figure 19. Again, the values in Figure 19 have been smoothed for reasons given above.

Figure 19: *Estimated crashworthiness by year of vehicle manufacture and market group*

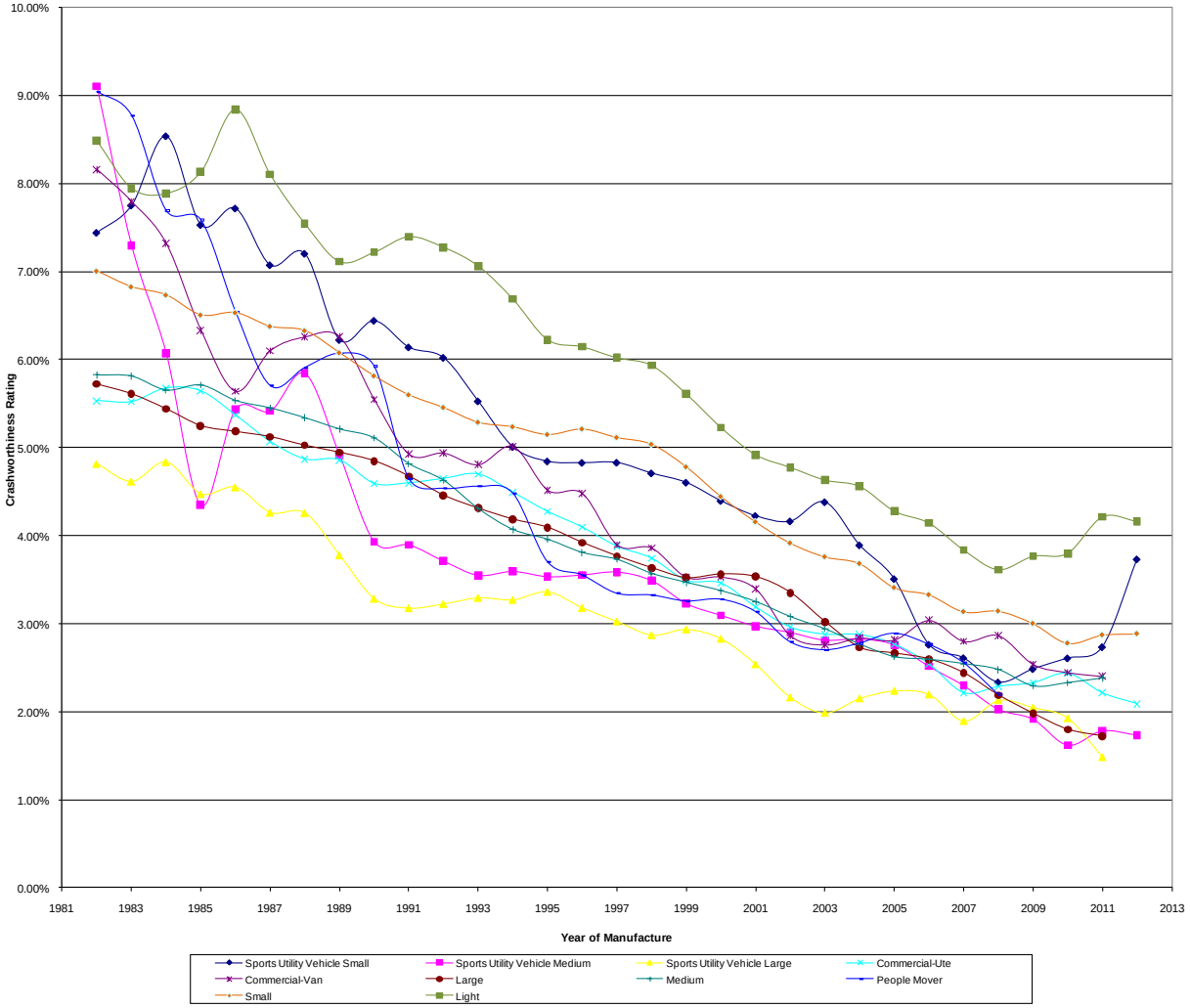


Figure 19 clearly shows differential performance in crashworthiness between vehicle market groups, reflecting the same differences seen in average crashworthiness by market groups found in the make and model specific ratings presented above (see Appendix 4). It is, however, difficult from Figure 19 to gauge differential improvements in crashworthiness over time. This is due to the complexity of the figure with 10 market groups as well as the relatively high variance in some of the year to year estimates despite smoothing. To try and better measure differential time based safety improvements by market group, Figure 20 presents average crashworthiness by five year time blocks of manufacture for the periods 1982-1986, 1987-1991, 1992-1996, 1997-2001, 2002-2006 and by a six year time block, when available, for the period 2007-2012. In addition, estimates have been scaled to be relative to the first time block (1982-1986) for each market group. Whilst

Figure 20 no longer reflects average differences in crashworthiness between market groups, it more clearly demonstrates differential performance between market groups in improving crashworthiness over time.

Figure 20: *Average crashworthiness by year of manufacture and market group by year range relative to the 1982-1986 average*

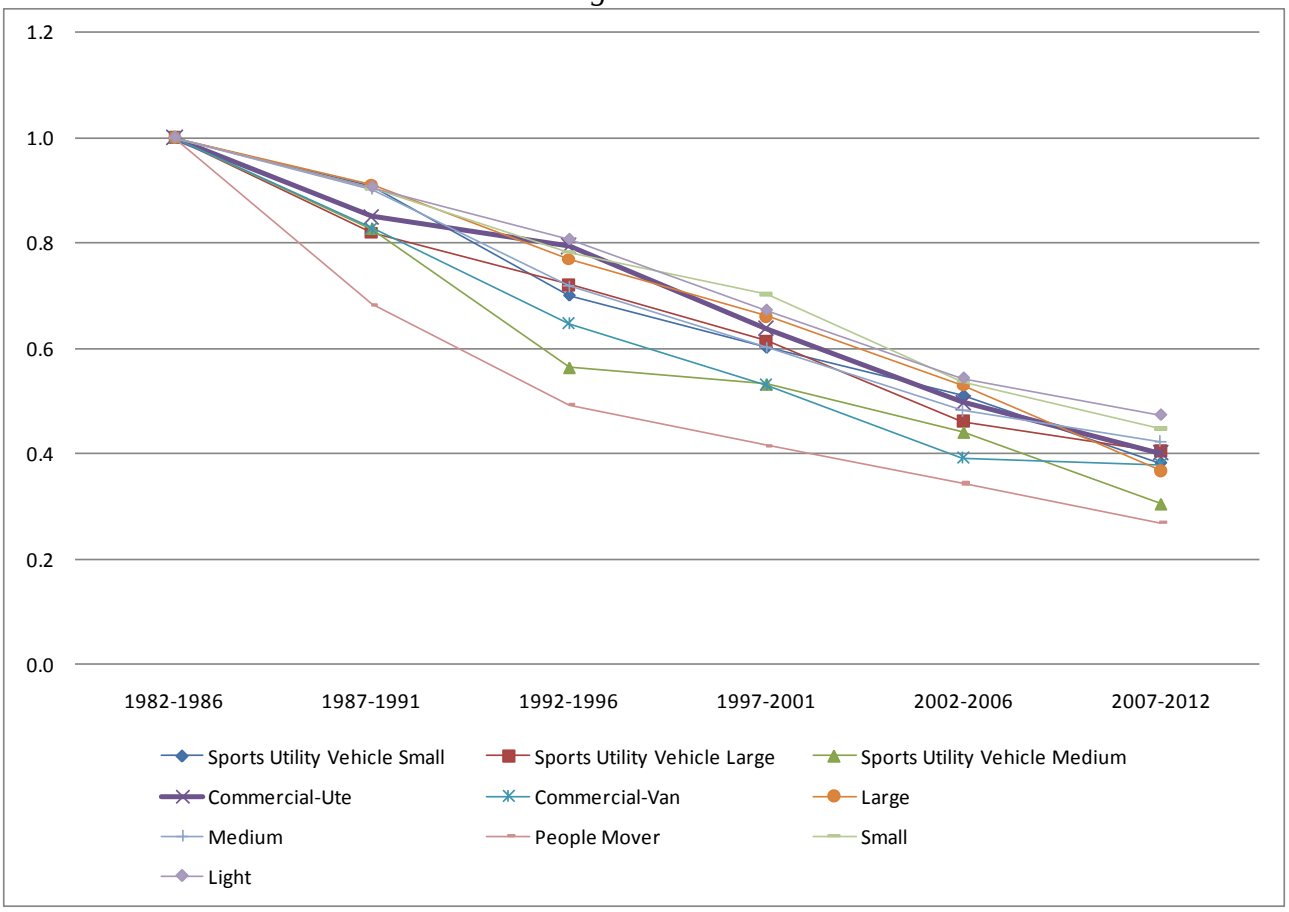


Figure 20 shows that certain vehicle market groups have experienced greater relative improvements in crashworthiness over the study period than others. The medium sports utility vehicle and people mover market groups have shown the greatest improvement in crashworthiness over the study period of between 70 and 73 percent. The small sports utility vehicle, commercial van and large market groups had the next greatest improvement in crashworthiness of between 62 and 67 percent. The large sports utility, medium and commercial ute market groups had the next greatest improvement in crashworthiness of between 58 and 59 percent. The small and light car market groups have shown the most modest gains over the study period of between 54 and 56 percent.

7. CONCLUSIONS

Crashworthiness ratings estimate the risk of a driver being killed or seriously injured when involved in a tow-away crash, to a degree of accuracy represented by the confidence limits of the rating in each case. Additional crash data has enabled the crashworthiness ratings to be obtained for a larger range of car models than in previous studies with the ratings now covering 562 different models of passenger cars, four wheel drive vehicles, passenger vans and light commercial vehicles manufactured from 1982-2012 classified into one of 10 market groups. The new data set has been able to produce more up-to-date and reliable estimates of the crashworthiness of individual car models than those published previously.

Vehicle aggressivity ratings were also updated. The aggressivity measure considers the injury outcome to both drivers of other vehicles and unprotected road users including pedestrians, bicyclists and motorcyclists. The aggressivity rating measured the risk of death or serious injury a vehicle poses to drivers of other cars or unprotected road users with which it impacts in a crash. The mix of other drivers and unprotected road users on which the rating for each vehicle was based was standardised along with various other non-vehicle related factors using logistic regression techniques. The aggressivity measure was calculated for 500 models of Australian and New Zealand passenger vehicles (passenger cars, four wheel drive vehicles, passenger vans and light commercial vehicles) manufactured between the years 1982-2012. The degree of accuracy of the aggressivity ratings is represented by the confidence limits of the rating in each case. Estimated vehicle aggressivity towards drivers of other vehicles or unprotected road users was found to have little or no relationship with ratings of vehicle crashworthiness, demonstrating the independence of the two complementary measures. For this update, 496 or 88% of the vehicle models rated for crashworthiness were also able to be rated for aggressivity.

The total secondary safety index summarises the combined crashworthiness and aggressivity of a vehicle in a way that best reflects the relative importance of each component in real world crash circumstances. Applied to the available police reported crash data it was possible to estimate statistically reliable ratings for 617 distinct makes and models of vehicles. Comparison of the total secondary safety index with the crashworthiness and aggressivity estimates shows the total vehicle secondary safety index is much more strongly associated with the crashworthiness measure than the aggressivity measure. This is as expected given that a vehicle's crashworthiness performance is relevant in a wider range of crash types than is its aggressivity.

For vehicle regulators and safety advocates, the total secondary safety index possibly represents the most relevant measure of vehicle secondary safety performance as it encapsulates the total performance of the vehicle in preventing serious injury outcome for all road users. However, the crashworthiness and aggressivity components are still important separately to identify those characteristics of a vehicle leading to good performance in each dimension. Consumers are likely to be most interested in the crashworthiness of a vehicle as it has the most direct relevance for them. However, introducing a new presentation style identifying best pick vehicles, including those with electronic stability control, that have excellent crashworthiness as well as total safety will help to continue to focus consumers on the need for the vehicles they choose to protect other road users with which they collide.

The crashworthiness of passenger vehicles in the Australian vehicle fleet (cars, station wagons, four wheel drives, vans and taxis), has been estimated by year of vehicle manufacture for the years 1964 to 2012. It shows patterns of improvements in crashworthiness with the greatest gains over the years 1970 to 1979 during which time a number of new Australian Design Rules aimed at occupant protection took effect. Further significant gains in crashworthiness have also been observed over the years 1986 to 2010, with notable steady gains from 1985 to 1995 and since 2000. Trends in crashworthiness by year of vehicle manufacture from 1982 to 2012 for each of the 10 vehicle

market groups were also estimated showing differential improvement in crashworthiness by market group by year of manufacture.

8. ASSUMPTIONS AND QUALIFICATIONS

The results and conclusions presented in this report are based on a number of assumptions and warrant a number of qualifications that the reader should note. These are listed in the following sections.

8.1 Assumptions

It has been assumed that:

- TAC claims records and, Victorian, New South Wales, South Australian, Western Australian, Queensland and New Zealand Police crash report recorded driver injury, hospitalisation and death with the same degree of accuracy for each vehicle make and model.

- There was no bias in the merging of TAC claims and Victorian Police crash reports related to the model of car and factors affecting the severity of the crash.

- Crashed vehicle registration numbers were recorded accurately on Police crash reports and that they correctly identified the crashed vehicles in the Victorian, New South Wales, South Australian, Queensland, Western Australian and New Zealand vehicle registers.

- The adjustments for driver sex, age, speed zone, the number of vehicles involved and the state and year in which the crash occurred removed the influences of the other main factors available in the data that affected crash severity and injury susceptibility.

- The form of the logistic models used to relate injury risk and injury severity with the available factors influencing these outcomes (including the car model, market group or year of manufacture) was correct.

- Information contained in the Police crash records allowed accurate matching of both vehicles involved in crashes between two passenger cars and vehicles impacting unprotected road users for the purpose of calculating aggressivity and total secondary safety ratings.

8.2 Qualifications

The results and conclusions warrant at least the following qualifications:

- Only driver crash involvements and injuries have been considered. Passengers occupying the same model cars may have had different injury outcomes. In 95% of crashes, the driver of the vehicle is the most seriously injured occupant hence justifying the focus on driver protection.

- Some models with the same name through the 1982-2012 years of manufacture may have varied substantially in their construction, specification and mass. Although there should be few such models in these updated results, the rating score calculated for these models represent an average across the variants aggregated. There may be significant variation in secondary safety performance across the aggregated models.

- Other factors not collected in the data (e.g. crash impact severity) may differ between the models and may affect the results. However, earlier analysis has suggested that the different rating scores are predominantly due to vehicle factors alone (Cameron et al 1992b).

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APPENDIX 1

MAKES AND MODELS OF CARS INVOLVED IN VICTORIAN AND NSW CRASHES DURING 1987-2012, SOUTH AUSTRALIA CRASHES DURING 1995-2012, QUEENSLAND DURING 1991-2012 AND WESTERN AUSTRALIA AND NEW ZEALAND CRASHES DURING 1991-2012

FREQUENCY FOR EACH MODEL FOR ALL TYPES OF CRASHES (NSW/VIC/SA/QLD/WA/NZ)

Note: Only those models with a Market Group displayed were used in the crashworthiness analysis

MAKE/MODEL			MODEL CODE	No. of uninjured drivers in NSW (87-2012) and QLD and WA (91-2012) and SA (95-2012)	No. of injured drivers in NSW (87-2012) and QLD and WA (91-2012) and SA (95-2012)	No. of involved drivers in NSW (87-2012) and QLD and WA (91-2012) and SA (95-2012)	No. of injured (but not severely) drivers in NSW and Victoria (87-2012) and QLD,WA and NZ (91-2012) and SA (95-2012)	No. of severely injured drivers in NSW and Victoria (87-2012) and QLD,WA and NZ (91-2012) and SA (95-2012)	No. of injured drivers in NSW, Victoria (87-2012) and QLD,WA and NZ (91-2012) and SA (95-2012)	ANALYSIS INCLUSION CRITERIA INV=100 INJ=20	MARKET GROUP
Alfa Romeo	164	89-92	AL01Z	126	16	142	16	7	23	1	Medium
Alfa Romeo	33	83-92	AL02Z	700	116	816	121	31	152	1	Small
Alfa Romeo	75	86-92	AL03Z	221	32	253	30	4	34	1	Small
Alfa Romeo	90	85-88	AL04Z	83	11	94	9	5	14	0	
Alfa Romeo	GTV	82-84	AL05Z	167	19	186	14	10	24	1	Small
Alfa Romeo	Sprint	82-88	AL06Z	132	24	156	30	6	36	1	Small
Alfa Romeo	Alfasud	82-84	AL07Z	114	22	136	18	6	24	1	Small
Alfa Romeo	Alfetta	82-88	AL08Z	58	12	70	4	7	11	0	
Alfa Romeo	Giulietta	82-86	AL09Z	68	8	76	8	2	10	0	
Alfa Romeo	156	99-06	AL13Z	558	102	660	74	21	95	1	Medium
Alfa Romeo	166	99-08	AL14Z	42	4	46	4	1	5	0	
Alfa Romeo	GTV / Spider	98-04	AL15Z	161	22	183	7	6	13	0	
Alfa Romeo	147 / GT	01-10	AL16Z	313	54	367	51	8	59	1	Small
Alfa Romeo	159 / Brera	06-12	AL17Z	65	11	76	13	0	13	0	
Alfa Romeo	MiTo	09-12	AL18Z	7	2	9	.	.	.	0	
Alfa Romeo	Giulietta	11-12	AL19Z	1	1	2	1	0	1	0	
Alfa Romeo	Others		AL99Z	537	66	603	154	40	194	0	
Audi	A4 / S4 Cabriolet	02-08	AU10Z	41	12	53	12	2	14	0	
Audi	A3	04-12	AU11Z	194	34	228	40	6	46	1	Small
Audi	Q7	06-12	AU12Z	91	9	100	7	2	9	0	
Audi	TT	06-12	AU13Z	41	7	48	5	4	9	0	
Audi	A5 / S5 / RS5	07-12	AU15Z	62	8	70	10	1	11	0	
Audi	A4 / S4 B8 / AllRoad	08-12	AU16Z	139	17	156	22	3	25	1	Medium

MAKE/MODEL			MODEL CODE	No. of uninjured drivers in NSW (87-2012) and QLD and WA (91-2012) and SA (95-2012)	No. of injured drivers in NSW (87-2012) and QLD and WA (91-2012) and SA (95-2012)	No. of involved drivers in NSW (87-2012) and QLD and WA (91-2012) and SA (95-2012)	No. of injured (but not severely) drivers in NSW and Victoria (87-2012) and QLD,WA and NZ (91-2012) and SA (95-2012)	No. of severely injured drivers in NSW and Victoria (87-2012) and QLD,WA and NZ (91-2012) and SA (95-2012)	No. of injured drivers in NSW, Victoria (87-2012) and QLD,WA and NZ (91-2012) and SA (95-2012)	ANALYSIS INCLUSION CRITERIA INV=100 INJ=20	MARKET GROUP
Audi	Q5	09-12	AU17Z	68	6	74	7	2	9	0	
Audi	A1	10-12	AU18Z	12	3	15	4	0	4	0	
Audi	A8 / S8	10-12	AU19Z	2	0	2	.	.	.	0	
Audi	A7 / S7 Sportback	11-12	AU20Z	6	0	6	.	.	.	0	
Audi	Q3	12-12	AU21Z	3	1	4	.	.	.	0	
Audi	A6/S6/AllRoad	95-04	AUD1A	69	9	78	18	2	20	0	
Audi	A6/S6/AllRoad/RS6	05-11	AUD1B	24	6	30	7	1	8	0	
Audi	A8	95-03	AUD2Z	151	19	170	30	4	34	1	Large
Audi	A4	95-01	AUD3Z	1081	166	1247	170	39	209	1	Medium
Audi	A3/S3	97-04	AUD5Z	507	98	605	97	11	108	1	Small
Audi	TT	99-06	AUD6Z	163	31	194	26	5	31	1	Medium
Audi	A4	01-08	AUD7Z	908	145	1053	111	17	128	1	Medium
Audi	A8	03-09	AUD9Z	9	1	10	.	.	.	0	
Audi	Others		AUDIZ	1590	276	1866	281	74	355	0	
BMW	Z3 E36	97-03	BM10Z	245	36	281	47	12	59	1	Medium
Mini	Mini Cooper	02-12	BM11Z	342	82	424	125	20	145	1	Light
BMW	Z4 E85	03-09	BM12Z	85	15	100	11	4	15	0	
BMW	5 Series E60 / E61	03-10	BM13Z	311	50	361	37	6	43	1	Large
BMW	X5	01-06	BM14A	592	75	667	41	9	50	1	SUV - Large
BMW	X5 E70	07-12	BM14B	240	21	261	17	6	23	1	SUV - Large
BMW	X5 Others		BM14Z	166	17	183	18	1	19	0	
BMW	6 Series E63 / E64	04-10	BM15Z	18	2	20	1	1	2	0	
BMW	X3 E83	04-10	BM16Z	132	19	151	16	5	21	1	SUV - Medium
BMW	1 Series E81 / E82 / E87 / E88	04-12	BM17Z	467	104	571	80	20	100	1	Small
BMW	3 Series E90 /E91 /E92 /E93	05-12	BM18Z	1022	203	1225	148	32	180	1	Medium
BMW	X6 E71 / E72	08-12	BM21Z	22	3	25	1	0	1	0	
BMW	X1 E84	10-12	BM22Z	32	7	39	3	2	5	0	
BMW	Z4 E89	09-12	BM23Z	5	3	8	2	1	3	0	
BMW	5 Series F07 / F10 / F11	10-12	BM24Z	13	4	17	3	0	3	0	

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BMW	X3 F25	10-12	BM25Z	6	2	8	1	0	1	0	
Mini	Countryman	11-12	BM27Z	1	0	1	.	.	.	0	
BMW	3 Series F30	12-12	BM29Z	5	0	5	1	1	2	0	
BMW	3 Series E30	82-91	BM3 A	3991	658	4649	758	173	931	1	Medium
BMW	3 Series E36	92-98	BM3 B	5881	1129	7010	1250	240	1490	1	Medium
BMW	3 Series E46	99-06	BM3 C	3612	817	4429	644	134	778	1	Medium
BMW	3 Others		BM3 Z	113	49	162	49	13	62	0	
Mini	Coupe	12-12	BM30Z	46	18	64	13	10	23	0	
Mini	Mini Cooper	12-12	BM32Z	13	6	19	6	2	8	0	
BMW	5 Series E28	82-88	BM5 A	1023	131	1154	123	30	153	1	Large
BMW	5 Series E34	89-95	BM5 B	942	148	1090	184	40	224	1	Large
BMW	5 Series E39	96-03	BM5 C	1013	127	1140	167	34	201	1	Large
BMW	5 Others		BM5 Z	27	13	40	11	3	14	0	
BMW	6 Series E24	86-89	BM6 Z	6	0	6	1	0	1	0	
BMW	7 Series E23	82-86	BM7 A	197	16	213	25	7	32	1	Large
BMW	7 Series E32	87-94	BM7 B	350	57	407	63	19	82	1	Large
BMW	7 Series E38	95-01	BM7 C	219	24	243	39	7	46	1	Large
BMW	7 Series E65	02-08	BM7 D	82	11	93	8	1	9	0	
BMW	7 Series F01 / F02	09-12	BM7 E	4	0	4	.	.	.	0	
BMW	7 Others		BM7 Z	14	3	17	2	1	3	0	
BMW	8 Series E31	90-99	BM8 Z	24	1	25	1	0	1	0	
BMW	Others		BM99Z	1438	233	1671	282	64	346	0	
Chrysler	Grand Voyager RT	08-12	CH10Z	5	1	6	.	.	.	0	
Chrysler	300	12-12	CH11Z	1	0	1	.	.	.	0	
Chrysler	Voyager	97-01	CHR1Z	548	91	639	74	13	87	1	People Mover
Chrysler	Neon	96-99	CHR2Z	555	127	682	105	26	131	1	Small
Chrysler	Neon	00-02	CHR3Z	145	34	179	28	9	37	1	Small
Chrysler	PT Cruiser	00-10	CHR4Z	278	75	353	68	14	82	1	Medium
Chrysler	Crossfire	03-08	CHR6Z	29	3	32	3	2	5	0	

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Chrysler	300C	06-11	CHR7Z	198	29	227	26	6	32	1	Large
Chrysler	Sebring	07-10	CHR8Z	20	3	23	4	1	5	0	
Chrysler	Grand Voyager RG	01-07	CHR9Z	151	38	189	17	3	20	1	People Mover
Chrysler	Others		CHRYZ	16	1	17	9	0	9	0	
Citroen	BX	86-94	CI1 Z	96	4	100	31	7	38	1	Small
Citroen	C3 Pluriel	04-10	CI10Z	29	7	36	5	2	7	0	
Citroen	C4	05-10	CI11Z	192	39	231	23	7	30	1	Small
Citroen	C2	04-08	CI12Z	42	6	48	3	1	4	0	
Citroen	Berlingo	08-12	CI13Z	49	12	61	2	1	3	0	
Citroen	C6	06-12	CI14Z	1	0	1	.	.	.	0	
Citroen	C5	08-12	CI15Z	17	5	22	2	0	2	0	
Citroen	C3	10-12	CI19Z	2	0	2	.	.	.	0	
Citroen	C4	11-12	CI20Z	1	3	4	1	1	2	0	
Citroen	AX	91-93	CI3 Z	6	1	7	17	4	21	0	
Citroen	Xantia	94-00	CI4 Z	70	16	86	22	5	27	0	
Citroen	Berlingo	99-08	CI5 Z	156	37	193	11	8	19	0	
Citroen	Xsara	00-05	CI6 Z	110	32	142	29	3	32	1	Small
Citroen	XM	91-00	CI7 Z	7	1	8	1	1	2	0	
Citroen	C5	01-08	CI8 Z	143	29	172	24	6	30	1	Medium
Citroen	C3	02-10	CI9 Z	179	55	234	32	6	38	1	Light
Citroen	Others		CI99Z	71	5	76	5	1	6	0	
Daihatsu	Charade	82-86	D1 A	1943	599	2542	683	201	884	1	Light
Daihatsu	Charade	87	D1 B	333	102	435	154	28	182	0	
Daihatsu	Charade	88-92	D1 C	7467	2164	9631	1544	409	1953	1	Light
Daihatsu	Charade	93-00	D1 D	7534	2091	9625	1257	344	1601	1	Light
Daihatsu	Charade Others		D1 Z	261	164	425	118	38	156	0	
Daihatsu	Feroza / Rocky	89-97	D11 Z	1202	283	1485	218	65	283	1	SUV - Small
Daihatsu	Handivan	82-90	D12 Z	723	308	1031	247	65	312	1	Commercial - Van
Daihatsu	Hi-Jet	82-90	D13 Z	136	75	211	70	23	93	1	Commercial - Van

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Daihatsu	Rocky / Rugger	85-98	D14 Z	575	161	736	105	55	160	1	SUV - Small
Daihatsu	Pyzar	97-01	D15 Z	420	113	533	83	20	103	1	Light
Daihatsu	Move	97-99	D16 Z	76	29	105	33	9	42	1	Light
Daihatsu	Sirion / Storia	98-04	D17 Z	1708	613	2321	510	123	633	1	Light
Daihatsu	Terios	97-05	D18 Z	997	416	1413	311	91	402	1	SUV - Small
Daihatsu	Handivan / Cuore	99-03	D19 Z	264	120	384	71	28	99	1	Commercial - Van
Daihatsu	Applause	89-99	D2 Z	3524	902	4426	616	156	772	1	Small
Daihatsu	YRV	01-04	D20 Z	15	10	25	13	3	16	0	
Daihatsu	Charade	03-05	D21 Z	89	56	145	46	16	62	1	Light
Daihatsu	Copen	03-06	D22 Z	23	7	30	4	4	8	0	
Daihatsu	Sirion / Storia	05-05	D23 Z	49	19	68	52	11	63	0	
Daihatsu	Mira	90-96	D3 Z	752	336	1088	316	93	409	1	Light
Daihatsu	Others		D99 Z	1176	362	1538	372	112	484	0	
Daewoo	1.5i	94-95	DA01Z	200	64	264	56	8	64	1	Small
Daewoo	Cielo	95-97	DA03Z	4114	1313	5427	984	242	1226	1	Small
Daewoo	Espero	95-97	DA05Z	876	274	1150	204	60	264	1	Medium
Daewoo	Nubira	97-03	DA06Z	3518	945	4463	736	180	916	1	Small
Daewoo	Lanos	97-03	DA07Z	5402	1733	7135	1277	363	1640	1	Small
Daewoo	Leganza	97-02	DA08Z	852	216	1068	174	45	219	1	Medium
Daewoo / Ssango	Musso	98-06	DA09Z	353	49	402	49	26	75	1	SUV - Medium
Daewoo	Matiz	99-04	DA10Z	840	467	1307	357	91	448	1	Light
Daewoo	Tacuma	00-04	DA11Z	130	40	170	22	14	36	1	Medium
Daewoo	Lacetti	03-04	DA12Z	199	62	261	46	11	57	1	Small
Daewoo	Kalos	03-04	DA13Z	468	166	634	118	43	161	1	Light
Ssangyong	Rexton	03-06	DA14Z	54	18	72	15	1	16	0	
Ssangyong	Korando	04-06	DA15Z	14	4	18	4	0	4	0	
Ssangyong	Chairman	05-08	DA16Z	2	0	2	1	0	1	0	
Ssangyong	Stavic	05-12	DA17Z	52	15	67	9	7	16	0	
Ssangyong	Kyron	06-12	DA18Z	20	7	27	6	3	9	0	

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Ssangyong	Actyon Sports	07-11	DA19Z	55	6	61	3	4	7	0	
Ssangyong	Korando	11-12	DA20Z	2	0	2	.	.	.	0	
Ssangyong	Rexton II	06-12	DA21Z	8	2	10	1	2	3	0	
Ssangyong	Others		DA99Z	52	19	71	16	3	19	0	
Dodge	Caliber	06-12	DO1 Z	62	13	75	10	3	13	0	
Dodge	Avenger	07-10	DO2 Z	23	1	24	1	1	2	0	
Dodge	Nitro	07-11	DO3 Z	72	14	86	11	4	15	0	
Dodge	Journey	08-12	DO4 Z	31	1	32	3	1	4	0	
Ford	Laser / Met Others	90	F01 B	7166	1766	8932	1691	388	2079	0	
Ford	Laser	91-94	F01 C	16986	4207	21193	3837	967	4804	1	Small
Ford	Laser	95-97	F01 D	5426	1426	6852	1214	310	1524	1	Small
Ford	Laser / Met Others		F01 Z	865	470	1335	360	95	455	0	
Ford	Cortina	82-82	F02 Z	29	11	40	312	81	393	0	
Ford	Telstar Others		F04 Z	268	123	391	94	25	119	0	
Ford	Escort	82-82	F05 Z	31	3	34	3	1	4	0	
Ford	Falcon XE/XF	82-88	F06 Z	59982	10196	70178	9181	2887	12068	1	Large
Ford	Fairlane Z & LTD F	82-87	F07 Z	6297	1037	7334	963	287	1250	1	Large
Ford	Falcon EA / Falcon EB Series I	88-Mar 92	F08 C	49274	8406	57680	7264	2155	9419	1	Large
Ford	Falcon EB Series II / Falcon ED	Apr 92-94	F08 D	22408	3865	26273	3235	1036	4271	1	Large
Ford	Falcon Others		F08 Z	653	174	827	254	65	319	0	
Ford	Fairlane N & LTD D	88-94	F09 A	5374	830	6204	750	255	1005	1	Large
Ford	Fairlane N & LTD D	95-98	F09 B	2194	400	2594	335	115	450	1	Large
Ford	Fairlane & LTD AU	99-02	F09 C	1332	249	1581	173	54	227	1	Large
Ford	Fairlane & LTD BA/BF	03-07	F09 D	983	146	1129	66	25	91	1	Large
Ford	Fairlane N&LTD D Others		F09 Z	16	2	18	2	0	2	0	
Ford	Mondeo	95-01	F10 Z	2626	481	3107	743	129	872	1	Medium
Ford	Falcon FG	08-12	F101Z	2443	362	2805	255	75	330	1	Large
Ford	Mondeo	07-12	F11 Z	332	69	401	75	17	92	1	Medium
Ford	Capri	89-94	F43 Z	1799	493	2292	429	98	527	1	Small

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Ford	Festiva WD/WH/WF	94-01	F44 B	15518	5384	20902	3903	1086	4989	1	Light
Ford	Falcon Panel Van	82-95	F45 A	4424	552	4976	460	110	570	1	Commercial - Van
Ford	Falcon Panel Van	96-99	F45 B	600	66	666	77	15	92	1	Commercial - Van
Ford	Falcon Panel Van Others		F45 Z	5	0	5	3	0	3	0	
Ford / Nissan	Falcon Ute / XFN Ute	82-95	F46 A	11976	1844	13820	1311	487	1798	1	Commercial - Ute
Ford	Falcon Ute	96-99	F46 B	2889	535	3424	397	140	537	1	Commercial - Ute
Ford	Falcon Ute	99	F46 C	925	177	1102	156	48	204	0	
Ford	Falcon Ute AU	00-02	F46 D	3466	573	4039	490	167	657	1	Commercial - Ute
Ford	Falcon Ute BA/BF	03-08	F46 E	3716	598	4314	470	197	667	1	Commercial - Ute
Ford	Falcon Ute FG	08-12	F46 F	197	28	225	25	17	42	1	Commercial - Ute
Ford	Falcon Ute Others		F46 Z	15	1	16	1	0	1	0	
Ford	Ford F-Series	82-92	F47 Z	1104	141	1245	111	31	142	1	Commercial - Ute
Ford	Spectron	86-90	F52 Z	48	15	63	25	4	29	0	
Ford	Trader		F53 Z	1007	91	1098	65	17	82	0	
Ford	Commercials		F54 Z	14029	2672	16701	1963	592	2555	0	
Ford	Sierra		F55 Z	3	1	4	1	0	1	0	
Ford	Bronco	82-87	F56 Z	207	28	235	16	12	28	1	SUV - Large
Ford	Probe	94-98	F61 Z	303	64	367	76	19	95	1	Medium
Ford	Falcon EF/EL	94-98	F62 Z	51701	9802	61503	7975	2370	10345	1	Large
Ford	Transit	95-00	F64 A	1342	174	1516	150	42	192	1	Commercial - Van
Ford	Transit	01-07	F64 B	1081	127	1208	173	28	201	1	Commercial - Van
Ford	Transit Others		F64 Z	35	5	40	30	6	36	0	
Ford	Explorer	00-01	F65 Z	454	120	574	104	41	145	1	SUV - Large
Ford	Falcon AU	98-02	F66 Z	28022	5869	33891	4467	1349	5816	1	Large
Ford	Taurus	96-98	F67 Z	531	120	651	111	34	145	1	Large
Ford	Ka	99-02	F68 Z	531	183	714	178	49	227	1	Light
Ford	Cougar	99-03	F69 Z	724	189	913	190	36	226	1	Medium
Ford	Mustang	01-03	F71 Z	18	3	21	2	2	4	0	
Ford	Explorer	01-05	F72 Z	388	82	470	74	26	100	1	SUV - Large

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Ford	Falcon BA/BF	02-08	F73 Z	23407	4434	27841	3315	1027	4342	1	Large
Ford	Focus LR	02-05	F75 Z	1913	539	2452	508	109	617	1	Small
Ford	F-Series	01-06	F76 Z	338	46	384	24	21	45	1	Commercial - Ute
Ford	Territory SX/SY	04-10	F77 A	2425	416	2841	330	72	402	1	SUV - Large
Ford	Territory Others		F77 Z	79	20	99	30	0	30	0	
Ford	Fiesta WP/WQ	04-08	F78 Z	384	118	502	90	37	127	1	Light
Ford	Focus LS / LT	05-09	F79 Z	2237	559	2796	448	132	580	1	Small
Ford	Transit VM	07-12	F81 Z	18	7	25	2	4	6	0	
Ford	Fiesta WS	09-12	F82 Z	408	124	532	96	34	130	1	Light
Ford	Focus LV	09-12	F83 Z	333	72	405	59	19	78	1	Small
Ford	Others		F99 Z	48224	7651	55875	11964	3879	15843	0	
Ferrari			FERAZ	12	1	13	2	0	2	0	
Fiat	Argenta	83-85	FI01Z	13	4	17	3	1	4	0	
Fiat	Croma	88-89	FI02Z	23	5	28	9	1	10	0	
Fiat	Regata	84-88	FI03Z	244	34	278	27	8	35	1	Small
Fiat	Superbrava	82-85	FI04Z	49	15	64	9	6	15	0	
Fiat	X-1/9		FI05Z	6	3	9	2	1	3	0	
Fiat	X-1/9	82-85	FI11Z	6	1	7	1	0	1	0	
Fiat	Ducato	02-07	FI12Z	123	12	135	24	5	29	1	Commercial - Van
Fiat	Punto	06-09	FI13Z	74	15	89	11	4	15	0	
Fiat	500	08-12	FI15Z	32	5	37	5	1	6	0	
Fiat	Ritmo	08-09	FI16Z	8	1	9	3	0	3	0	
Fiat	Others		FI99Z	156	19	175	50	10	60	0	
FSM			FSM Z	13	2	15	6	1	7	0	
Great Wall	SA220	09-10	GW1 Z	2	2	4	1	2	3	0	
Great Wall	V240 / V200	09-12	GW2 Z	57	17	74	8	9	17	0	
Great Wall	X240 / X200 / V240	09-12	GW3 Z	46	14	60	8	7	15	0	
Holden / Toyota	Commodore VN/VP / Lexcen	89-93	H1 Z	65598	12617	78215	10309	3607	13916	1	Large
Holden	Calibra	94-97	H12 Z	507	72	579	107	24	131	1	Medium

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Holden	Statesman/Caprice WB	82-85	H14 A	139	23	162	32	18	50	1	Large
Holden	Stateman/Caprice VQ	90-93	H14 B	716	106	822	99	42	141	1	Large
Holden	Stateman/Caprice VR/VS	94-98	H14 C	5106	886	5992	731	237	968	1	Large
Holden	Stateman/Caprice Others		H14 Z	152	23	175	20	3	23	0	
Holden	Nova Others		H15 Z	121	33	154	33	7	40	0	
Holden	Commodore Ute VG/VP	90-93	H18 Z	2174	385	2559	251	116	367	1	Commercial - Ute
Holden	Camira	82-89	H2 Z	15898	3669	19567	3767	953	4720	1	Medium
Holden / Isuzu	Jackaroo / Bighorn	82-91	H21 A	995	228	1223	254	54	308	1	SUV - Medium
Holden / Isuzu	Jackaroo / Bighorn	92-97	H21 B	984	185	1169	194	54	248	1	SUV - Medium
Holden / Isuzu	Jackaroo / Bighorn	98-02	H21 C	1152	254	1406	166	65	231	1	SUV - Medium
Holden	Jackaroo		H21 Z	47	9	56	49	14	63	0	
Holden	Kingswood		H22 Z	34	8	42	5	8	13	0	
Holden / Isuzu	Piazza	86-88	H23 Z	57	9	66	17	2	19	0	
Holden / Isuzu	Rodeo / Pickup	82-85	H24 A	831	154	985	124	38	162	1	Commercial - Ute
Holden / Isuzu	Rodeo / Pickup	86-88	H24 B	485	90	575	76	13	89	1	Commercial - Ute
Holden / Isuzu	Rodeo / Pickup	89-95	H24 C	8034	1536	9570	1017	401	1418	1	Commercial - Ute
Holden	Rodeo	96-98	H24 D	3665	738	4403	504	168	672	1	Commercial - Ute
Holden	Rodeo	99-02	H24 E	4138	860	4998	522	234	756	1	Commercial - Ute
Holden	Rodeo Others		H24 Z	197	49	246	44	12	56	0	
Holden	Shuttle / WFR Van	82-87	H26 Z	531	106	637	76	28	104	1	Commercial - Van
Holden	WB Series	82-85	H27 Z	1978	307	2285	190	101	291	1	Commercial - Ute
Holden	Torana / Sunbird		H28 Z	10	0	10	1	1	2	0	
Holden	Gemini	82-84	H3 A	6257	1485	7742	1531	384	1915	1	Small
Holden	Gemini	85	H3 B	1253	319	1572	318	76	394	0	
Holden	Gemini RB	86-87	H3 C	1077	337	1414	323	72	395	1	Small
Holden	Gemini Others		H3 Z	1	0	1	.	.	.	0	
Holden	Commodore Others		H31 Z	36	1	37	14	1	15	0	
Holden / Toyota	Commodore VR/VS / Lexcen	93-97	H33 Z	64911	12444	77355	9690	3147	12837	1	Large
Holden	Commodore Ute VR/VS	94-00	H34 Z	9537	1823	11360	1189	547	1736	1	Commercial - Ute

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Holden	Frontera / Mu	95-03	H35 Z	568	130	698	91	32	123	1	SUV - Medium
Holden	Vectra	97-03	H36 Z	4399	985	5384	916	181	1097	1	Medium
Holden	Commodore VT/VX	97-02	H37 Z	54845	11681	66526	8880	2518	11398	1	Large
Holden	Suburban	98-00	H38 Z	53	9	62	9	0	9	0	
Holden	Statesman/Caprice WH	99-03	H39 Z	1765	346	2111	257	76	333	1	Large
Holden	Astra Jap	87	H4 B	973	196	1169	185	56	241	0	
Holden	Astra TR	96-98	H4 D	1465	323	1788	358	70	428	1	Small
Holden	Astra TS	98-06	H4 E	12886	3381	16267	2580	532	3112	1	Small
Holden	Astra Others		H4 Z	73	30	103	38	9	47	0	
Holden	Commodore VU Ute	00-02	H41 Z	2891	508	3399	386	157	543	1	Commercial - Ute
Holden	Commodore VY/VZ	02-07	H42 Z	19523	4148	23671	3318	850	4168	1	Large
Holden	Commodore VY/VZ Ute	02-07	H43 Z	6706	1242	7948	869	333	1202	1	Commercial - Ute
Holden	Monaro	01-05	H44 Z	948	195	1143	158	56	214	1	Large
Holden	Cruze	02-06	H45 Z	787	324	1111	252	86	338	1	SUV - Small
Holden	Barina XC / Combo	01-12	H46 Z	3516	1044	4560	808	179	987	1	Light
Holden	Zafira TT	01-05	H47 Z	396	97	493	70	13	83	1	People Mover
Holden	Statesman/Caprice WK/WL	03-06	H48 Z	910	147	1057	97	27	124	1	Large
Holden	Adventra	03-06	H49 Z	349	72	421	75	17	92	1	SUV - Medium
Holden	Barina SB	95-00	H5 D	7879	2507	10386	1755	380	2135	1	Light
Holden	Barina Others		H5 Z	258	109	367	142	29	171	0	
Holden	Rodeo	03-08	H50 Z	5763	1125	6888	697	278	975	1	Commercial - Ute
Holden	Vectra ZC	03-05	H51 Z	567	129	696	146	26	172	1	Medium
Holden	Astra AH	04-09	H55 Z	3239	851	4090	581	136	717	1	Small
Holden	Barina TK	05-11	H56 Z	2244	799	3043	555	198	753	1	Light
Holden	Viva JF	05-09	H57 Z	1274	399	1673	293	82	375	1	Small
Holden	Tigra	05-06	H58 Z	53	31	84	24	5	29	0	
Holden	Captiva CG	06-12	H59 Z	1134	237	1371	182	39	221	1	SUV - Medium
Holden	Commodore VB-VL	82-88	H6 Z	54781	10201	64982	9157	2967	12124	1	Large
Holden	Commodore VE	06-12	H60 Z	8721	1748	10469	1360	393	1753	1	Large

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Holden	Statesman/Caprice WM	06-12	H61 Z	292	47	339	29	9	38	1	Large
Holden	Commodore VE Ute	07-12	H62 Z	977	170	1147	111	47	158	1	Commercial - Ute
Holden	Epica EP	07-11	H63 Z	26	10	36	9	1	10	0	
Holden	Colorado RC / RG	08-12	H64 Z	576	134	710	73	39	112	1	Commercial - Ute
Holden	Cruze JG / JH	09-12	H65 Z	832	201	1033	189	46	235	1	Small
Holden	Barina Spark	10-12	H66 Z	42	11	53	7	7	14	0	
Holden	Barina TM	11-12	H67 Z	39	11	50	6	5	11	0	
Holden	Colorado 7	12-12	H68 Z	5	1	6	1	0	1	0	
Holden	Others		H99 Z	35440	5023	40463	9897	3538	13435	0	
Hummer	H3	07-10	HU01Z	32	7	39	5	3	8	0	
Hyundai	Excel	86-90	HY1 A	3007	883	3890	957	249	1206	1	Small
Hyundai	Excel	90-94	HY1 B	10018	2916	12934	2327	596	2923	1	Small
Hyundai	Excel / Accent	95-00	HY1 C	28845	9232	38077	6463	1668	8131	1	Small
Hyundai	Excel Others		HY1 Z	442	170	612	155	36	191	0	
Hyundai	Trajet	00-07	HY10Z	92	17	109	18	6	24	1	People Mover
Hyundai	Elantra	00-06	HY11Z	3827	1082	4909	675	203	878	1	Small
Hyundai	Santa Fe	00-06	HY12Z	673	143	816	111	29	140	1	SUV - Medium
Hyundai	Getz / TB	02-11	HY13Z	6301	1946	8247	1426	499	1925	1	Light
Hyundai	Sonata	98-01	HY15A	1240	291	1531	202	49	251	1	Medium
Hyundai	Sonata EF	02-05	HY15B	339	95	434	68	11	79	1	Medium
Hyundai	Sonata Others		HY15Z	4	2	6	3	1	4	0	
Hyundai	Tiburon	02-10	HY16Z	169	48	217	30	7	37	1	Medium
Hyundai	Terracan	01-07	HY17Z	382	71	453	50	12	62	1	SUV - Medium
Hyundai	Elantra Lavita	01-03	HY18Z	77	8	85	42	2	44	0	
Hyundai	Tucson	04-10	HY19Z	454	122	576	102	43	145	1	SUV - Small
Hyundai	Sonata	89-97	HY2 Z	4105	908	5013	792	174	966	1	Large
Hyundai	Sonata NF	05-10	HY20Z	255	86	341	54	17	71	1	Medium
Hyundai	Grandeur TG	06-11	HY21Z	36	7	43	6	3	9	0	
Hyundai	Accent	06-09	HY22Z	351	112	463	100	20	120	1	Small

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Hyundai	Santa Fe	06-12	HY23Z	95	24	119	21	7	28	1	SUV - Medium
Hyundai	i30	07-12	HY25Z	986	215	1201	225	62	287	1	Small
Hyundai	iMax	08-12	HY26Z	13	3	16	2	3	5	0	
Hyundai	iLoad	08-12	HY27Z	241	29	270	41	12	53	1	Commercial - Van
Hyundai	Elantra	07-10	HY28Z	65	23	88	20	3	23	0	
Hyundai	ix35	10-12	HY29Z	144	30	174	23	12	35	1	SUV - Small
Hyundai	i45	10-12	HY30Z	12	2	14	9	1	10	0	
Hyundai	i20	10-12	HY31Z	9	11	20	4	10	14	0	
Hyundai	Elantra	10-12	HY32Z	29	12	41	13	2	15	0	
Hyundai	Accent RB	11-12	HY33Z	5	4	9	5	3	8	0	
Hyundai	Veloster	11-12	HY34Z	1	0	1	1	0	1	0	
Hyundai	i40	11-12	HY35Z	1	0	1	.	.	.	0	
Hyundai	i30	12-12	HY36Z	43	27	70	20	22	42	0	
Hyundai	S Coupe	90-96	HY4 Z	1453	391	1844	312	75	387	1	Small
Hyundai	Lantra	91-95	HY5 A	2534	636	3170	441	116	557	1	Small
Hyundai	Lantra	96-00	HY5 B	5388	1340	6728	1064	276	1340	1	Small
Hyundai	Lantra Others		HY5 Z	52	13	65	21	3	24	0	
Hyundai	Coupe	96-00	HY7 Z	1107	247	1354	187	46	233	1	Small
Hyundai	Grandeaur / XG	99-00	HY8 Z	461	88	549	57	14	71	1	Large
Hyundai	Accent	00-06	HY9 Z	6137	1863	8000	1259	353	1612	1	Small
Hyundai	Others		HY99Z	1876	483	2359	852	315	1167	0	
Mitsubishi	Mirage / Colt	82-88	I01 Z	12214	3308	15522	3554	830	4384	1	Light
Mitsubishi	Sigma / Galant / Sapporo / Lambda	82-84	I02 Z	12771	2263	15034	2830	701	3531	1	Medium
Mitsubishi	Magna TM/TN/TP / Sigma / V3000	85-90	I04 Z	30249	5289	35538	4950	1343	6293	1	Large
Mitsubishi	Charger / Valiant		I05 Z	35	3	38	2	1	3	0	
Mitsubishi	Magna TE/TF/TH/TJ / Verada KE/KF/KH/KJ / Diamante	96-03	I06 A	25083	4742	29825	3637	949	4586	1	Large
Mitsubishi	Starion	82-87	I07 Z	184	36	220	48	23	71	1	Medium
Mitsubishi	Lancer / Mirage CA	89-90	I09 A	5910	1223	7133	1399	334	1733	1	Small

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Mitsubishi	Lancer / Mirage CB	91-92	I09 B	919	216	1135	404	74	478	1	Small
Mitsubishi	Lancer / Mirage CC	93-95	I09 C	8623	1952	10575	1873	453	2326	1	Small
Mitsubishi	Lancer / Mirage CE	96-03	I09 D	24112	6539	30651	4899	1091	5990	1	Small
Mitsubishi	LANCER Others		I09 Z	20	3	23	513	116	629	0	
Mitsubishi	Nimbus / Chariot / Spacewagon	85-91	I10 A	499	100	599	229	42	271	1	People Mover
Mitsubishi	Nimbus / Chariot	92-98	I10 B	934	190	1124	304	55	359	1	People Mover
Mitsubishi	Nimbus	99-03	I10 C	393	63	456	64	14	78	1	People Mover
Mitsubishi	Cordia	83-87	I12 Z	1764	352	2116	570	155	725	1	Small
Mitsubishi	Magna TR/TS / Verada KR/KS / V3000 / Diamante	91-96	I15 Z	31087	5204	36291	4927	1143	6070	1	Large
Mitsubishi	Galant	89-93	I16 A	14	1	15	643	136	779	0	
Mitsubishi	Galant	95-96	I16 B	1789	343	2132	602	123	725	1	Medium
Mitsubishi	Galant Others		I16 Z	9	11	20	486	105	591	0	
Mitsubishi	Canter		I21 Z	1590	155	1745	166	47	213	0	
Mitsubishi	Commercial - Van	94-12	I22 Z	955	211	1166	123	64	187	1	Commercial - Van
Mitsubishi	Starwagon / L300	83-86	I23 A	3215	730	3945	609	208	817	1	People Mover
Mitsubishi	Starwagon / Delica Starwagon	87-93	I23 B	6692	1214	7906	1052	315	1367	1	People Mover
Mitsubishi	Starwagon / Delica Spacegear	95-03	I23 C	2812	481	3293	389	94	483	1	People Mover
Mitsubishi	Delica Spacegear		I23 D	449	70	519	93	26	119	0	
Mitsubishi	Starwagon Others		I23 Z	156	67	223	221	54	275	0	
Mitsubishi	Commercials		I24 Z	5746	1061	6807	743	248	991	0	
Mitsubishi	Pajero	82-90	I25 A	2297	455	2752	444	149	593	1	SUV - Medium
Mitsubishi	Pajero	91	I25 B	616	74	690	100	32	132	0	
Mitsubishi	Pajero	92-99	I25 C	4978	795	5773	603	206	809	1	SUV - Medium
Mitsubishi	Pajero NM / NP	00-06	I25 D	2304	355	2659	234	77	311	1	SUV - Medium
Mitsubishi	Pajero NS / NT / NW	07-12	I25 E	459	57	516	46	12	58	1	SUV - Medium
Mitsubishi	Pajero Others		I25 Z	119	44	163	31	11	42	0	
Mitsubishi	3000GT	92-97	I26 Z	4	2	6	3	1	4	0	
Mitsubishi	Lancer / Mirage		I27 Z	1	0	1	1	0	1	0	

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Mitsubishi	Challenger	98-06	I30 Z	864	179	1043	126	52	178	1	SUV - Medium
Mitsubishi	Pajero iO	99-03	I34 Z	141	34	175	15	10	25	1	SUV - Small
Mitsubishi	Lancer CE / CG / Cedia	02-03	I37 Z	74	43	117	39	10	49	1	Small
Mitsubishi	Magna TL/TW / Verada KL/KW	03-05	I38 Z	2693	560	3253	437	101	538	1	Large
Mitsubishi	Outlander	03-06	I39 Z	735	175	910	113	35	148	1	SUV - Small
Mitsubishi	Lancer CH	03-07	I40 Z	4317	1103	5420	774	227	1001	1	Small
Mitsubishi	Grandis	04-10	I42 Z	99	16	115	20	7	27	1	People Mover
Mitsubishi	Colt	04-11	I43 Z	584	173	757	215	60	275	1	Light
Mitsubishi	380	05-08	I44 Z	1347	260	1607	213	56	269	1	Large
Mitsubishi	Triton MK	96-06	I45 Z	2638	423	3061	261	117	378	1	Commercial - Ute
Mitsubishi	Triton ML / MN	06-12	I46 Z	1597	332	1929	219	119	338	1	Commercial - Ute
Mitsubishi / Pe	Outlander / 4007	06-12	I47 Z	786	139	925	109	26	135	1	SUV - Small
Mitsubishi	Challenger	09-12	I48 Z	1	0	1	.	.	.	0	
Mitsubishi	Lancer CJ	08-12	I49 Z	1234	284	1518	189	77	266	1	Small
Mitsubishi	ASX	10-12	I50 Z	70	17	87	9	6	15	0	
Mitsubishi	Others		I99 Z	35719	7557	43276	8610	2750	11360	0	
Isuzu	NKR Series		IS01Z	1127	142	1269	89	21	110	0	
Isuzu	NPR Series		IS02Z	2902	232	3134	124	36	160	0	
Isuzu	D-Max	08-12	IS03Z	143	22	165	8	9	17	0	
Isuzu	Others		IS99Z	3884	282	4166	288	110	398	0	
Jaguar	XJ6	82-86	J01 A	367	57	424	42	15	57	1	Large
Jaguar	XJ6	87-94	J01 B	527	67	594	68	12	80	1	Large
Jaguar	XJ6	95-97	J01 C	131	14	145	13	6	19	0	
Jaguar	XJ8	98-03	J01 D	17	1	18	1	1	2	0	
Jaguar	XJ6 Others		J01 Z	25	3	28	5	0	5	0	
Jaguar	V12 Saloon		J02 Z	11	2	13	2	0	2	0	
Jaguar	XJS	82-96	J04 Z	70	11	81	10	1	11	0	
Jaguar	XJR	95-03	J05 Z	4	0	4	1	0	1	0	
Jaguar	XK8 / XKR	96-05	J07 Z	39	5	44	4	1	5	0	

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Jaguar	S-Type	99-08	J08 Z	253	31	284	32	6	38	1	Large
Jaguar	X-Type	02-10	J09 Z	256	43	299	37	7	44	1	Medium
Jaguar	XJ	03-09	J10 Z	37	8	45	6	4	10	0	
Jaguar	XK / XKR	06-12	J11 Z	10	2	12	1	0	1	0	
Jaguar	XF	08-12	J12 Z	25	2	27	3	0	3	0	
Jaguar	Others		J99 Z	403	55	458	69	22	91	0	
Jeep	Cherokee XJ	96-00	JE01Z	1533	275	1808	275	99	374	1	SUV - Medium
Jeep	Grand Cherokee ZG	96-99	JE02Z	356	57	413	66	19	85	1	SUV - Large
Jeep	Wrangler	96-04	JE03Z	474	91	565	97	28	125	1	SUV - Medium
Jeep	Grand Cherokee WG	99-05	JE04Z	371	59	430	75	20	95	1	SUV - Large
Jeep	Cherokee KJ	01-07	JE05Z	436	85	521	85	26	111	1	SUV - Medium
Jeep	Grand Cherokee WH	05-10	JE06Z	96	11	107	12	3	15	0	
Jeep	Commander	06-10	JE07Z	38	6	44	8	0	8	0	
Jeep	Wrangler	05-12	JE08Z	182	35	217	29	15	44	1	SUV - Medium
Jeep	Patriot	07-12	JE09Z	39	4	43	4	2	6	0	
Jeep	Compass	07-12	JE10Z	23	1	24	1	0	1	0	
Jeep	Cherokee KK	08-12	JE11Z	16	6	22	5	2	7	0	
Jeep	Grand Cherokee WK	10-12	JE12Z	21	2	23	2	0	2	0	
Jeep	Others		JEEPZ	155	23	178	31	7	38	0	
Kia	Sportage	98-03	K01 Z	981	262	1243	209	54	263	1	SUV - Small
Kia	Ceres	92-00	K02 Z	1173	335	1508	280	88	368	1	Commercial - Ute
Kia	Mentor	97-00	K03 Z	18	6	24	4	2	6	0	
Kia	Credos	98-01	K04 Z	82	30	112	21	6	27	1	Medium
Kia	Rio	00-05	K05 Z	2782	1007	3789	676	217	893	1	Small
Kia	Carens	00-02	K06 Z	80	31	111	18	5	23	1	People Mover
Kia	Carnival	99-06	K07 Z	1315	254	1569	183	54	237	1	People Mover
Kia	Spectra	01-04	K08 Z	364	110	474	71	26	97	1	Small
Kia	Optima	01-06	K09 Z	127	38	165	33	4	37	1	Large
Kia	K2700	02-08	K10 Z	206	30	236	20	11	31	1	Commercial - Ute

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Kia	Pregio	02-06	K11 Z	863	167	1030	122	39	161	1	Commercial - Van
Kia	Sorento	03-09	K12 Z	384	75	459	55	30	85	1	SUV - Large
Kia	Cerato LD	04-08	K13 Z	708	236	944	169	50	219	1	Small
Kia	Rio JB	05-11	K14 Z	1243	444	1687	317	137	454	1	Small
Kia	Sportage KM	05-10	K15 Z	205	51	256	38	12	50	1	SUV - Small
Kia	Magentis	06-09	K16 Z	50	19	69	15	7	22	0	
Kia	Carnival	06-11	K17 Z	431	78	509	62	17	79	1	People Mover
Kia	K2900	08-12	K18 Z	27	2	29	2	1	3	0	
Kia	Rondo / Carens	08-12	K19 Z	12	6	18	4	3	7	0	
Kia	Cerato TD	09-12	K20 Z	112	28	140	15	13	28	1	Small
Kia	Soul	09-12	K21 Z	17	5	22	4	1	5	0	
Kia	Sorento	09-12	K22 Z	19	3	22	1	2	3	0	
Kia	Sportage SL	10-12	K23 Z	40	12	52	5	2	7	0	
Kia	Rio UB	11-12	K24 Z	31	11	42	4	3	7	0	
Kia	Optima	11-12	K25 Z	12	0	12	1	0	1	0	
Kia	Grand Carnival	06-11	K26 Z	53	10	63	7	4	11	0	
Lada			LADAZ	223	89	312	116	32	148	0	
Lancia			LANCZ	33	3	36	2	2	4	0	
Leyland			LEY Z	111	14	125	12	5	17	0	
Land Rover	Defender	92-12	LRO1Z	404	83	487	54	34	88	1	SUV - Medium
Land Rover	Discovery	91-02	LRO2A	1469	298	1767	222	89	311	1	SUV - Large
Land Rover	Discovery	02-04	LRO2B	136	28	164	19	7	26	1	SUV - Large
Land Rover	Discovery Others		LRO2Z	597	79	676	72	20	92	0	
Land Rover	Discovery 3	05-09	LRO3Z	37	5	42	5	1	6	0	
Land Rover	Discovery 4	09-12	LRO4Z	38	4	42	7	2	9	0	
Land Rover	Others		LROVZ	333	47	380	57	16	73	0	
Ford / Mazda	Laser / 323 / Familia	82-88	M01 A	43832	11684	55516	13395	3283	16678	1	Small
Mazda	323 89		M01 B	546	141	687	746	160	906	0	
Mazda	323 / Familia / Lantis	90-93	M01 C	4541	1047	5588	1944	441	2385	1	Small

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Mazda	323 94		M01 D	1443	346	1789	251	70	321	0	
Mazda	323 / Familia / Lantis	95-98	M01 E	5944	1489	7433	1435	326	1761	1	Small
Ford / Mazda	Laser / 323	99-03	M01 F	8146	2169	10315	1723	390	2113	1	Small
Mazda	323 Others		M01 Z	352	178	530	368	79	447	0	
Mazda	626/MX6 / Telstar	82	M02 A	11938	2581	14519	2671	765	3436	0	
Ford / Mazda	Telstar / 626 / MX6 / Capella	83-86	M02 B	9879	2076	11955	2756	693	3449	1	Medium
Mazda	626/MX6 / Telstar	87	M02 C	3497	580	4077	450	134	584	0	
Ford / Mazda	Telstar / 626 / MX6 / Capella	88-91	M02 D	6765	1527	8292	2075	542	2617	1	Medium
Ford / Mazda	Telstar / 626 / MX6 / Capella / Cronos	92-97	M02 E	7117	1255	8372	1642	431	2073	1	Medium
Mazda	626	98-02	M02 F	2322	533	2855	575	125	700	1	Medium
Mazda	626/MX6 / Telstar Others		M02 Z	267	111	378	73	35	108	0	
Mazda	929 / Luce	82-90	M03 A	3383	651	4034	685	193	878	1	Large
Mazda	929 91		M03 B	225	40	265	41	14	55	0	
Mazda	929 / Sentia / Efini MS-9	92-96	M03 C	276	50	326	48	13	61	1	Large
Mazda	929 Others		M03 Z	86	41	127	33	11	44	0	
Ford / Mazda	Festiva WA / 121	87-90	M09 A	7315	2392	9707	1851	513	2364	1	Light
Mazda	121 / Autozam Review	94-96	M09 B	3956	1330	5286	935	250	1185	1	Light
Mazda	121 Metro / Demio	97-02	M09 C	3101	919	4020	796	210	1006	1	Light
Mazda	121 / Ford Festiva WA Others		M09 Z	175	99	274	149	40	189	0	
Mazda	RX7	82-85	M10 A	667	132	799	130	40	170	1	Medium
Mazda	RX7	86-91	M10 B	411	63	474	102	30	132	1	Medium
Mazda	RX7	92-98	M10 C	80	14	94	25	8	33	0	
Mazda	RX7 Others		M10 Z	14	1	15	13	6	19	0	
Mazda	MX5 / Eunos Roadster	89-97	M11 A	482	107	589	103	22	125	1	Small
Mazda	MX5 / Eunos Roadster	98-05	M11 B	475	129	604	85	20	105	1	Small
Mazda	MX5 Others		M11 Z	9	10	19	11	2	13	0	
Mazda	Commercials		M14 Z	9252	1657	10909	1287	448	1735	0	
Mazda	MPV	94-99	M15 A	408	64	472	41	7	48	1	People Mover
Mazda	MPV	00-06	M15 B	282	39	321	23	6	29	1	People Mover

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Mazda	MPV Others		M15 Z	5	1	6	1	0	1	0	
Mazda	Eunos 30X / Presso / MX-3 / Autozam AZ-3	90-97	M16 Z	617	138	755	105	29	134	1	Small
Mazda	Eunos 500	93-99	M17 Z	390	98	488	98	13	111	1	Medium
Mazda	Eunos 800	94-00	M18 Z	141	21	162	23	6	29	1	Medium
Ford / Mazda	Escape / Tribute	01-06	M21 Z	2269	506	2775	354	109	463	1	SUV - Medium
Ford / Mazda	Courier / B-Series / Bounty	98-02	M22 A	2550	479	3029	400	145	545	1	Commercial - Ute
Ford / Mazda	Courier / Bravo / Bounty	03-06	M22 B	1894	436	2330	352	122	474	1	Commercial - Ute
Mazda	Bravo / Ford Courier Others		M22 Z	196	25	221	93	27	120	0	
Mazda	Premacy	01-03	M23 Z	5	0	5	27	5	32	0	
Mazda	2 / Demio	02-07	M24 Z	1302	419	1721	276	112	388	1	Light
Mazda	6 / Atenza	02-07	M25 Z	2848	721	3569	698	139	837	1	Medium
Mazda	RX-8	03-11	M26 Z	370	57	427	49	6	55	1	Medium
Mazda	3 / Axela	03-09	M27 Z	7310	1871	9181	1389	347	1736	1	Small
Mazda	MX-5	05-12	M28 Z	121	35	156	22	9	31	1	Small
Mazda	CX-7	06-12	M29 Z	493	89	582	73	11	84	1	SUV - Medium
Ford / Mazda	Ranger / BT-50	06-11	M30 Z	2412	534	2946	353	182	535	1	Commercial - Ute
Ford / Mazda	Escape / Tribute	06-12 / 06-08	M31 Z	197	31	228	27	8	35	1	SUV - Medium
Mazda	CX-9	07-12	M32 Z	225	28	253	23	3	26	1	SUV - Large
Mazda	2 / Demio	07-12	M33 Z	1040	331	1371	276	99	375	1	Light
Mazda	6 / Atenza	08-11	M34 A	334	82	416	84	22	106	1	Medium
Mazda	6 Others		M34 Z	7	0	7	18	3	21	0	
Mazda	3 / Axela	09-12	M35 Z	763	196	959	222	82	304	1	Small
Ford / Mazda	Ranger / BT-50	11-12	M36 Z	13	5	18	2	6	8	0	
Mazda	Others		M99 Z	12151	2096	14247	3311	943	4254	0	
Mahindra	Pik-up	07-12	MA01Z	1	0	1	.	.	.	0	
Maserati			MASRZ	10	0	10	1	0	1	0	
Mercedes Benz	100 Series		ME1 Z	209	30	239	34	8	42	0	
Mercedes Benz	C180		ME10Z	48	11	59	11	2	13	0	

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Mercedes Benz	C-Class W201	87-93	ME11Z	925	175	1100	163	48	211	1	Medium
Mercedes Benz	C-Class W202	95-00	ME12Z	1706	274	1980	246	56	302	1	Medium
Mercedes Benz	CLK C208	97-03	ME13Z	257	43	300	32	15	47	1	Medium
Mercedes Benz	E-Class W123	82-85	ME14Z	465	78	543	49	12	61	1	Large
Mercedes Benz	E-Class W124	86-94	ME15Z	1405	242	1647	209	46	255	1	Large
Mercedes Benz	E-Class W210	96-02	ME16Z	929	143	1072	122	25	147	1	Large
Mercedes Benz	S-CLASS W107		ME17Z	41	8	49	10	0	10	0	
Mercedes Benz	S-Class W126	82-92	ME18Z	1073	157	1230	127	33	160	1	Large
Mercedes Benz	S-Class R129	93-02	ME19Z	89	8	97	9	1	10	0	
Mercedes Benz	200 Series		ME2 Z	349	27	376	40	17	57	0	
Mercedes Benz	S-Class C140	93-98	ME20Z	253	18	271	18	7	25	1	Large
Mercedes Benz	SLK R170	97-04	ME21Z	220	46	266	31	5	36	1	Medium
Mercedes Benz	A-Class W168	98-04	ME22Z	444	106	550	74	15	89	1	Small
Mercedes Benz	MB100 / MB140	99-04	ME24Z	483	54	537	44	12	56	1	Commercial - Van
Mercedes Benz	S-Class W220	99-06	ME25Z	192	22	214	16	4	20	1	Large
Mercedes Benz	Vito	99-04	ME26Z	684	72	756	61	16	77	1	Commercial - Van
Mercedes Benz	M-Class W163	98-05	ME27Z	720	92	812	61	19	80	1	SUV - Large
Mercedes Benz	CL500/600 C215	98-00	ME28Z	15	3	18	3	1	4	0	
Mercedes Benz	C-Class W203	00-07	ME29Z	1398	258	1656	171	45	216	1	Medium
Mercedes Benz	300 Series		ME3 Z	452	38	490	42	11	53	0	
Mercedes Benz	Sprinter	98-06	ME30Z	647	102	749	101	24	125	1	Commercial - Van
Mercedes Benz	G-Class	83-88	ME31Z	4	1	5	1	0	1	0	
Mercedes Benz	CLK C209	03-09	ME32Z	354	59	413	39	8	47	1	Medium
Mercedes Benz	E-Class W211	02-09	ME33Z	461	70	531	42	11	53	1	Large
Mercedes Benz	SL-Class R230	02-11	ME34Z	39	5	44	6	0	6	0	
Mercedes Benz	SLK R171	04-11	ME35Z	76	15	91	10	0	10	0	
Mercedes Benz	M / GL -Class W164 / X164	05-11	ME36Z	266	27	293	20	2	22	1	SUV - Large
Mercedes Benz	A-Class W169	05-09	ME37Z	98	25	123	17	5	22	1	Small
Mercedes Benz	CLS W219	05-11	ME38Z	48	7	55	4	0	4	0	

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Mercedes Benz	B-Class W245	05-12	ME39Z	130	17	147	14	6	20	1	Small
Mercedes Benz	400 Series		ME4 Z	213	43	256	36	9	45	0	
Mercedes Benz	S-Class W221 / V221	06-12	ME40Z	43	10	53	2	1	3	0	
Mercedes Benz	R-Class W251 / V251	06-12	ME41Z	21	3	24	.	.	.	0	
Mercedes Benz	C-Class W204 / C204	07-12	ME42Z	379	63	442	49	14	63	1	Medium
Mercedes Benz	CL C216	07-12	ME43Z	3	1	4	.	.	.	0	
Mercedes Benz	Sprinter	06-12	ME44Z	144	17	161	21	4	25	1	Commercial - Van
Mercedes Benz	E-Class W212 / W213	09-12	ME45Z	48	3	51	5	0	5	0	
Mercedes Benz	Vito / Viano / Valente	04-12	ME46Z	194	27	221	25	11	36	1	Commercial - Van
Mercedes Benz	CLK C207 / A207	09-12	ME47Z	18	4	22	1	0	1	0	
Mercedes Benz	500 Series		ME5 Z	38	5	43	4	1	5	0	
Mercedes Benz	CLS W218	11-12	ME50Z	10	1	11	1	0	1	0	
Mercedes Benz	SLK R172	11-12	ME51Z	2	1	3	1	0	1	0	
Mercedes Benz	M / GL -Class W166 / X166	12-12	ME52Z	6	2	8	1	1	2	0	
Mercedes Benz	B-Class W246	12-12	ME53Z	2	0	2	.	.	.	0	
Mercedes Benz	Others		ME99Z	2377	233	2610	353	102	455	0	
Holden / Nissan	Astra / Pulsar / Langley	84-86	N01 A	9680	2448	12128	2678	689	3367	1	Small
Nissan	Pulsar / Vector	87	N01 B	1559	350	1909	680	133	813	0	
Holden / Nissan	Astra / Pulsar / Vector / Sentra	88-90	N01 C	14666	3443	18109	3241	860	4101	1	Small
Nissan	Pulsar / Vector	91	N01 D	3948	948	4896	714	198	912	0	
Nissan	Pulsar / Vector / Sentra	92-95	N01 E	8354	1818	10172	2105	470	2575	1	Small
Nissan	Pulsar / Vector / Sentra	96-99	N01 F	9735	2692	12427	2372	567	2939	1	Small
Nissan	Pulsar / Bluebird Sylphy	00-05	N01 G	9589	2946	12535	1908	560	2468	1	Small
Nissan	Pulsar Others		N01 Z	1769	670	2439	441	215	656	0	
Nissan	Pintara	86-88	N02 A	6033	1170	7203	976	281	1257	1	Medium
Nissan / Ford	Pintara / Corsair / Bluebird	89-92	N02 B	9883	2147	12030	2259	624	2883	1	Medium
Nissan	Pintara Others		N02 Z	1	0	1	96	24	120	0	
Nissan	Bluebird	82-86	N03 Z	12233	2550	14783	2640	787	3427	1	Medium
Nissan	Skyline	83-88	N04 Z	5821	1071	6892	1595	433	2028	1	Large

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Nissan	180B/200B		N05 Z	56	7	63	6	1	7	0	
Nissan	300ZX / Fairlady Z	90-95	N09 Z	651	118	769	142	36	178	1	Large
Nissan	Stanza	82-83	N10 Z	512	106	618	93	21	114	1	Small
Nissan	280C / Laurel	82-84	N11 Z	59	9	68	9	3	12	0	
Nissan	Gazelle / Silvia	84-86	N12 Z	431	86	517	478	161	639	1	Small
Nissan	280ZX	82-84	N13 Z	115	19	134	20	8	28	1	Medium
Nissan	Prairie	84-86	N14 Z	381	86	467	179	33	212	1	People Mover
Nissan	Maxima	90-94	N15 A	999	180	1179	390	92	482	1	Large
Nissan	Maxima / Cefiro	95-99	N15 B	1382	297	1679	494	114	608	1	Large
Nissan	Maxima	00-02	N15 C	562	134	696	165	45	210	1	Large
Nissan	Maxima / Teana	03-06	N15 D	3	0	3	10	1	11	0	
Nissan	Maxima Others		N15 Z	45	16	61	302	79	381	0	
Nissan	Exa	83-86	N16 A	483	128	611	124	36	160	1	Small
Nissan	Exa	87-91	N16 B	254	50	304	68	18	86	1	Small
Nissan	Exa Others		N16 Z	9	2	11	8	2	10	0	
Nissan	NX/NX-R	91-96	N17 Z	1028	229	1257	196	66	262	1	Small
Nissan	300C / Laurel	85-87	N20 Z	95	22	117	13	6	19	0	
Nissan	720 Ute	82-85	N21 Z	1700	335	2035	252	89	341	1	Commercial - Ute
Nissan	B120		N22 Z	135	32	167	22	10	32	0	
Nissan	H40		N23 Z	16	3	19	2	1	3	0	
Nissan	Navara	86-91	N24 A	4292	733	5025	645	232	877	1	Commercial - Ute
Nissan	Navara	92-96	N24 B	2225	389	2614	341	121	462	1	Commercial - Ute
Nissan	Navara	97-05	N24 C	3694	564	4258	442	207	649	1	Commercial - Ute
Nissan	Navara Others		N24 Z	312	83	395	107	24	131	0	
Nissan	Vans (Nomad/Urvan/C22/E24/Vanette)		N25 Z	3743	882	4625	675	220	895	0	
Nissan	Patrol / Safari	82-87	N26 A	1593	231	1824	198	70	268	1	SUV - Large
Nissan / Ford	Patrol / Maverick / Safari	88-97	N26 B	9518	1228	10746	1049	364	1413	1	SUV - Large
Nissan	Patrol / Safari	98-12	N26 C	6102	925	7027	683	292	975	1	SUV - Large

MAKE/MODEL			MODEL CODE	No. of uninjured drivers in NSW (87-2012) and QLD and WA (91-2012) and SA (95-2012)	No. of injured drivers in NSW (87-2012) and QLD and WA (91-2012) and SA (95-2012)	No. of involved drivers in NSW (87-2012) and QLD and WA (91-2012) and SA (95-2012)	No. of injured (but not severely) drivers in NSW and Victoria (87-2012) and QLD,WA and NZ (91-2012) and SA (95-2012)	No. of severely injured drivers in NSW and Victoria (87-2012) and QLD,WA and NZ (91-2012) and SA (95-2012)	No. of injured drivers in NSW, Victoria (87-2012) and QLD,WA and NZ (91-2012) and SA (95-2012)	ANALYSIS INCLUSION CRITERIA INV=100 INJ=20	MARKET GROUP
Nissan	Patrol		N26 Z	215	40	255	34	17	51	0	
Nissan	Pathfinder / Terrano	88-94	N27 Z	740	99	839	263	73	336	1	SUV - Medium
Nissan	SUNNY /120Y		N28 Z	24	7	31	14	2	16	0	
Nissan	Serena	92-95	N30 Z	157	28	185	164	27	191	1	People Mover
Nissan	Infiniti	93-97	N31 Z	3	0	3	.	.	.	0	
Nissan	Bluebird	93-97	N32 Z	1982	350	2332	935	185	1120	1	Medium
Nissan	200SX / Silvia	94-02	N33 Z	1671	288	1959	197	73	270	1	Medium
Nissan	Micra	95-97	N34 Z	966	313	1279	219	67	286	1	Light
Nissan	Pathfinder / Terrano / Regulus	95-05	N36 Z	1497	261	1758	251	65	316	1	SUV - Medium
Nissan	Terrano II	97-00	N38 Z	40	10	50	8	0	8	0	
Nissan	X-Trail	01-07	N40 Z	3295	884	4179	615	176	791	1	SUV - Small
Nissan	350Z / Fairlady	03-09	N41 Z	258	66	324	50	19	69	1	Medium
Nissan	Maxima	06-09	N42 Z	549	112	661	125	34	159	1	Large
Nissan	Murano	05-08	N43 Z	259	40	299	31	9	40	1	SUV - Medium
Nissan	Pathfinder	05-12	N44 Z	420	71	491	53	13	66	1	SUV - Medium
Nissan	Navara	05-12	N45 Z	1571	287	1858	217	93	310	1	Commercial - Ute
Nissan	Tiida	06-12	N46 Z	577	184	761	174	47	221	1	Small
Nissan	Dualis	07-12	N47 Z	207	49	256	37	19	56	1	SUV - Small
Nissan	Micra K12 / March	07-10	N48 Z	13	3	16	1	1	2	0	
Nissan	X-Trail	07-12	N49 Z	111	20	131	12	7	19	0	
Nissan	Maxima / Teana	09-12	N50 Z	13	2	15	3	0	3	0	
Nissan	370Z	09-12	N51 Z	31	4	35	3	0	3	0	
Nissan	GT-R	09-12	N52 Z	7	1	8	.	.	.	0	
Nissan	Murano Z51	09-12	N53 Z	75	13	88	12	4	16	0	
Nissan	Micra K13	11-12	N54 Z	36	9	45	6	0	6	0	
Nissan	Patrol	12-12	N59 Z	150	50	200	29	16	45	1	SUV - Large
Nissan	Others		N99 Z	24524	4000	28524	6171	1989	8160	0	
FSM			NIKIZ	15	12	27	12	6	18	0	
Lada	Niva	84-99	NIVAZ	346	73	419	78	20	98	1	SUV - Small

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Honda	Civic	82-83	O1 A	686	160	846	457	112	569	1	Small
Honda	Civic / Ballade / Shuttle	84-87	O1 B	2669	632	3301	1204	310	1514	1	Small
Honda	Civic / Shuttle	88-91	O1 C	4628	1100	5728	1696	392	2088	1	Small
Honda	Civic	92-95	O1 D	5771	1265	7036	1451	310	1761	1	Small
Honda	Civic	96-00	O1 E	6235	1466	7701	1252	272	1524	1	Small
Honda	Civic Others		O1 Z	228	84	312	545	122	667	0	
Honda	CRX	87-91	O10 A	396	93	489	286	87	373	1	Small
Honda	CRX	92-98	O10 B	261	51	312	70	19	89	1	Small
Honda	CRX Others		O10 Z	11	4	15	35	11	46	0	
Honda	Odyssey	95-00	O17 A	628	120	748	358	49	407	1	People Mover
Honda	Odyssey	00-02	O17 B	293	55	348	45	12	57	1	People Mover
Honda	Odyssey Others		O17 Z	12	1	13	9	2	11	0	
Honda	CR-V	97-01	O18 A	3513	675	4188	546	124	670	1	SUV - Medium
Honda	CR-V	02-06	O18 B	2773	667	3440	457	95	552	1	SUV - Medium
Honda	CR-V Others		O18 Z	20	7	27	93	19	112	0	
Honda	HR-V	99-02	O19 Z	577	126	703	90	27	117	1	SUV - Small
Honda	Legend	86-95	O2 B	945	127	1072	173	43	216	1	Large
Honda	Legend	96-98	O2 C	103	10	113	13	2	15	0	
Honda	Legend	99-04	O2 D	66	9	75	8	1	9	0	
Honda	Legend Others		O2 Z	12	8	20	57	12	69	0	
Honda	S2000	99-09	O20 Z	277	40	317	24	6	30	1	Small
Honda	Civic	01-05	O21 Z	2096	481	2577	415	91	506	1	Small
Honda	Jazz / Fit	02-08	O22 Z	2103	577	2680	587	144	731	1	Light
Honda	Insight	01-04	O23 Z	1	0	1	.	.	.	0	
Honda	MDX	03-06	O24 Z	148	17	165	10	4	14	0	
Honda	Accord Euro	03-08	O25 Z	2181	461	2642	352	80	432	1	Medium
Honda	Accord	03-07	O26 Z	1106	235	1341	199	40	239	1	Medium
Honda	Odyssey	04-09	O27 Z	567	114	681	76	13	89	1	People Mover
Honda	Civic	06-11	O28 A	1824	442	2266	309	83	392	1	Small

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Honda	Civic	12-12	O28 B	7	2	9	.	.	.	0	
Honda	Civic Others		O28 Z	190	36	226	58	7	65	0	
Honda	Legend	06-12	O29 Z	14	6	20	3	1	4	0	
Honda	Accord	82-85	O3 A	2023	449	2472	1032	249	1281	1	Medium
Honda	Accord	86-90	O3 B	2430	430	2860	1000	214	1214	1	Medium
Honda	Accord	91-93	O3 C	1847	271	2118	445	111	556	1	Medium
Honda	Accord	94-98	O3 D	3994	675	4669	893	204	1097	1	Medium
Honda	Accord	99-02	O3 E	850	166	1016	260	43	303	1	Medium
Honda	Accord Others		O3 Z	137	52	189	325	74	399	0	
Honda	CR-V	07-12	O30 Z	817	155	972	105	40	145	1	SUV - Medium
Honda	Accord	08-12	O31 Z	375	62	437	44	21	65	1	Medium
Honda	Accord Euro	08-12	O32 Z	301	64	365	46	11	57	1	Medium
Honda	Jazz GE / Fit	08-12	O33 Z	397	108	505	82	36	118	1	Light
Honda	Odyssey	09-12	O35 Z	58	7	65	3	1	4	0	
Honda	Insight Hybrid	10-12	O36 Z	7	1	8	5	1	6	0	
Honda	CR-Z	11-12	O37 Z	1	0	1	.	.	.	0	
Honda	Prelude	82-82	O4 A	215	38	253	32	6	38	1	Medium
Honda	Prelude	83-91	O4 B	3736	649	4385	1354	333	1687	1	Medium
Honda	Prelude	92-96	O4 C	1865	294	2159	429	107	536	1	Medium
Honda	Prelude	97-02	O4 D	884	166	1050	161	29	190	1	Medium
Honda	Prelude Others		O4 Z	59	25	84	158	32	190	0	
Honda	Integra	86-88	O5 A	667	134	801	362	90	452	1	Small
Honda	Integra	89	O5 B	468	96	564	287	75	362	0	
Honda	Integra	90-92	O5 C	818	164	982	350	81	431	1	Small
Honda	Integra	93	O5 D	263	48	311	42	10	52	0	
Honda	Integra	93-01	O5 E	1319	267	1586	441	91	532	1	Small
Honda	Integra	02-06	O5 F	380	95	475	61	15	76	1	Small
Honda	Integra Others		O5 Z	39	21	60	118	28	146	0	
Honda	Concerto	89-93	O6 Z	580	136	716	256	64	320	1	Small

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Honda	NSX	91-02	O7 Z	19	2	21	4	1	5	0	
Honda	Acty	83-86	O8 Z	275	60	335	44	16	60	1	Commercial - Van
Honda	City	83-86	O9 Z	354	136	490	656	144	800	1	Light
Honda	City	09-12	O91 Z	127	29	156	34	5	39	1	Light
Honda	Others		O99 Z	5005	931	5936	1563	500	2063	0	
Peugeot	205	87-94	PE1 Z	311	51	362	71	18	89	1	Light
Peugeot	607	01-09	PE10Z	17	1	18	1	0	1	0	
Peugeot	407	04-11	PE11Z	130	14	144	26	6	32	1	Medium
Peugeot	207	07-12	PE12Z	157	31	188	32	7	39	1	Light
Peugeot	308	08-12	PE13Z	147	39	186	36	8	44	1	Small
Peugeot / Fiat	Expert / Scudo / Dispatch	08-12	PE14Z	18	2	20	1	0	1	0	
Peugeot	Partner	08-12	PE15Z	5	1	6	1	0	1	0	
Peugeot	3008	10-12	PE17Z	3	2	5	1	2	3	0	
Peugeot	RCZ	10-12	PE18Z	3	3	6	.	.	.	0	
Peugeot	508	11-12	PE19Z	3	0	3	.	.	.	0	
Peugeot	405	89-97	PE2 Z	614	100	714	151	41	192	1	Medium
Peugeot	4008	12-12	PE20Z	1	1	2	.	.	.	0	
Peugeot	505	82-93	PE3 Z	717	90	807	100	30	130	1	Medium
Peugeot	306	94-01	PE4 Z	1416	282	1698	333	64	397	1	Small
Peugeot	605	94-96	PE5 Z	35	4	39	7	2	9	0	
Peugeot	406	96-04	PE7 Z	335	39	374	58	16	74	1	Medium
Peugeot	206	99-07	PE8 Z	1002	242	1244	185	49	234	1	Light
Peugeot	307	01-09	PE9 Z	905	177	1082	176	29	205	1	Small
Peugeot	Others		PE99Z	438	58	496	131	35	166	0	
Porsche	944	82-91	PO1 Z	105	12	117	15	7	22	1	Medium
Porsche	911 964 Series	90-93	PO2 B	6	0	6	1	0	1	0	
Porsche	911 993 Series	94-98	PO2 C	8	0	8	1	0	1	0	
Porsche	911 996 Series	99-05	PO2 D	36	3	39	5	2	7	0	
Porsche	911 997 Series	06-12	PO2 E	21	4	25	2	1	3	0	

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Porsche	911 Others		PO2 Z	20	1	21	8	1	9	0	
Porsche	968	92-95	PO4 Z	1	0	1	.	.	.	0	
Porsche	Boxter / Cayman 986 Series	97-04	PO5 A	36	7	43	7	2	9	0	
Porsche	Boxter / Cayman 987 Series	05-11	PO5 B	17	1	18	1	1	2	0	
Porsche	Boxter / Cayman Others		PO5 Z	3	0	3	2	1	3	0	
Porsche	Cayenne	03-10	PO6 Z	78	14	92	10	3	13	0	
Porsche	Panamera 970 Series	09-12	PO7 Z	2	0	2	.	.	.	0	
Porsche	Cayenne	10-12	PO8 Z	7	0	7	1	0	1	0	
Porsche	Others		PO99Z	894	95	989	86	36	122	0	
Proton	Wira	95-96	PRO1Z	1343	448	1791	280	86	366	1	Small
Proton	Satria	97-05	PRO2Z	265	74	339	36	14	50	1	Light
Proton	Waja	01-05	PRO3Z	26	12	38	8	2	10	0	
Proton	Jumbuck	03-10	PRO4Z	183	55	238	33	16	49	1	Commercial - Ute
Proton	Gen 2	04-12	PRO5Z	127	61	188	34	19	53	1	Small
Proton	Satria	07-11	PRO6Z	17	5	22	5	4	9	0	
Proton	Savvy	06-11	PRO7Z	74	28	102	25	7	32	1	Light
Proton	Persona	08-12	PRO8Z	21	4	25	2	1	3	0	
Proton	S16	09-11	PRO9A	13	2	15	1	1	2	0	
Proton	S16	12-12	PRO9B	1	0	1	.	.	.	0	
			PROTZ	41	11	52	9	4	13	0	
Renault	20	82-83	RE1 Z	19	4	23	7	4	11	0	
Renault	Megane Cabriolet	01-03	RE10Z	62	15	77	18	2	20	0	
Renault	Clio	01-08	RE11Z	266	70	336	62	17	79	1	Light
Renault	Megane II	03-10	RE12Z	187	43	230	36	8	44	1	Small
Renault	Trafic	04-11	RE13Z	47	10	57	4	4	8	0	
Renault	Master	04-10	RE14Z	46	3	49	4	3	7	0	
Renault	Kangoo	04-11	RE15A	63	19	82	15	2	17	0	
Renault	Kangoo	11-12	RE15B	2	0	2	.	.	.	0	
Renault	Kangoo Others		RE15Z	8	6	14	6	0	6	0	

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Renault	Megane II Cabriolet	04-10	RE16Z	37	14	51	7	6	13	0	
Renault	Scenic II	05-09	RE17Z	13	4	17	4	3	7	0	
Renault	Grand Scenic	07-10	RE18Z	16	2	18	1	2	3	0	
Renault	Laguna III	08-11	RE19Z	3	1	4	3	0	3	0	
Renault	Feugo	82-87	RE2 Z	335	48	383	64	15	79	1	Medium
Renault	Koleos	08-12	RE20Z	32	4	36	4	1	5	0	
Renault	Fluence	10-12	RE21Z	2	1	3	1	0	1	0	
Renault	Clio	08-12	RE22Z	1	0	1	3	0	3	0	
Renault	Megane III	10-12	RE23Z	10	1	11	1	0	1	0	
Renault	Latitude	11-12	RE26Z	1	0	1	.	.	.	0	
Renault	21	87-91	RE3 Z	24	5	29	7	2	9	0	
Renault	25	85-91	RE4 Z	48	9	57	17	4	21	0	
Renault	19	91-96	RE5 Z	306	62	368	60	11	71	1	Small
Renault	Laguna	95-96	RE7 Z	41	12	53	13	4	17	0	
Renault	Laguna II	02-08	RE8 Z	53	8	61	13	3	16	0	
Renault	Scenic	01-04	RE9 Z	270	68	338	67	9	76	1	Small
Renault	Others		RE99Z	426	58	484	75	11	86	0	
Rover	3500	82-87	RO Z	180	30	210	37	4	41	1	Large
Rover	416i/827		RO1 Z	383	77	460	59	13	72	0	
Land Rover	Freelander 2	07-12	RO10Z	14	3	17	6	3	9	0	
Rover	Quintet	82-86	RO2 Z	245	65	310	71	20	91	1	Small
Rover	825	87-88	RO3 Z	35	5	40	19	3	22	0	
MG	MGF / MG TF	99-05	RO4 Z	262	47	309	53	12	65	1	Small
Land Rover	Freelander	98-06	RO5 Z	376	67	443	61	22	83	1	SUV - Small
MG	ZT	02-05	RO6 Z	24	6	30	5	0	5	0	
Rover	75	01-05	RO7 Z	112	21	133	24	6	30	1	Medium
MG	ZR	05-05	RO9 Z	1	1	2	40	7	47	0	
Rover	Others		RO99Z	687	96	783	198	57	255	0	
Rolls Royce			ROLLZ	42	6	48	4	4	8	0	

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Land Rover	Range Rover	82-94	RROV1	988	143	1131	154	49	203	1	SUV - Large
Land Rover	Range Rover	95-02	RROV2	234	40	274	50	12	62	1	SUV - Large
Land Rover	Range Rover	02-05	RROV3	53	2	55	1	0	1	0	
Land Rover	Range Rover Vogue	05-12	RROV4	100	11	111	13	1	14	0	
Land Rover	Range Rover Evoque	11-12	RROV5	6	1	7	1	0	1	0	
Range Rover	Others		RROVZ	12	8	20	9	3	12	0	
Saab	Others		SA00Z	1424	151	1575	202	55	257	0	
Saab	900 Series	82-92	SA1 A	1115	192	1307	185	52	237	1	Medium
Saab	900/9-3	94-02	SA1 B	1552	273	1825	226	44	270	1	Medium
Saab	900 Others		SA1 Z	2	3	5	1	0	1	0	
Saab	9000	86-97	SA2 Z	1120	186	1306	174	27	201	1	Medium
Saab	9-May	98-05	SA3 Z	292	57	349	51	6	57	1	Large
Saab	9-Mar	03-11	SA4 Z	291	72	363	64	12	76	1	Medium
Saab	9-May	06-10	SA5 Z	55	13	68	9	2	11	0	
Saab	900/9000		SA99Z	126	19	145	17	4	21	0	
Lada	Samara	88-90	SAMAZ	51	10	61	11	5	16	0	
Seat	Ibiza	95-99	SE01Z	5	2	7	4	1	5	0	
Seat	Cordoba	95-99	SE02Z	4	3	7	3	1	4	0	
Seat	Other		SEATZ	463	90	553	45	14	59	0	
Smart	City-Coupe / ForTwo	03-12	SM01Z	38	11	49	18	3	21	0	
Smart	Roadster	03-06	SM02Z	12	1	13	2	0	2	0	
Smart	ForFour	04-06	SM03Z	4	2	6	4	1	5	0	
Subaru	1800 / Leone / Omega / 4WD Wagon	82-93	SU1 Z	6663	1658	8321	1393	441	1834	1	Medium
Subaru	Tribeca	06-12	SU10Z	264	59	323	36	5	41	1	SUV - Medium
Subaru	Forester	08-12	SU11Z	761	155	916	84	24	108	1	SUV - Medium
Subaru	Liberty / Legacy	89-93	SU2 A	6069	1215	7284	1635	398	2033	1	Medium
Subaru	Liberty / Legacy / Outback	94-98	SU2 B	3156	655	3811	1129	244	1373	1	Medium
Subaru	Liberty / Legacy / Outback	99-03	SU2 C	4142	793	4935	702	166	868	1	Medium
Subaru	Liberty / Legacy / Outback	03-09	SU2 D	2710	463	3173	349	101	450	1	Medium

MAKE/MODEL			MODEL CODE	No. of uninjured drivers in NSW (87-2012) and QLD and WA (91-2012) and SA (95-2012)	No. of injured drivers in NSW (87-2012) and QLD and WA (91-2012) and SA (95-2012)	No. of involved drivers in NSW (87-2012) and QLD and WA (91-2012) and SA (95-2012)	No. of injured (but not severely) drivers in NSW and Victoria (87-2012) and QLD,WA and NZ (91-2012) and SA (95-2012)	No. of severely injured drivers in NSW and Victoria (87-2012) and QLD,WA and NZ (91-2012) and SA (95-2012)	No. of injured drivers in NSW, Victoria (87-2012) and QLD,WA and NZ (91-2012) and SA (95-2012)	ANALYSIS INCLUSION CRITERIA INV=100 INJ=20	MARKET GROUP
Subaru	Liberty / Legacy / Outback / Exiga	09-12	SU2 E	111	19	130	6	4	10	0	
Subaru	Liberty Others		SU2 Z	116	37	153	359	95	454	0	
Subaru	Vortex	85-89	SU3 Z	72	18	90	49	7	56	0	
Subaru	Sherpa / Fiori / 700 / Rex	89-92	SU4 Z	672	336	1008	319	87	406	1	Light
Subaru	SVX / Alcyone	92-95	SU5 Z	25	4	29	2	3	5	0	
Subaru	Brumby	82-92	SU6 Z	1689	513	2202	301	167	468	1	Commercial - Ute
Subaru	Impreza	93-00	SU7 A	5545	1306	6851	1406	383	1789	1	Small
Subaru	Impreza	01-07	SU7 B	4016	833	4849	600	162	762	1	Small
Subaru	Impreza	07-11	SU7 C	804	161	965	100	30	130	1	Small
Subaru	Impreza	12-12	SU7 D	37	11	48	1	1	2	0	
Subaru	Impreza Others		SU7 Z	34	10	44	42	12	54	0	
Subaru	Forester	97-02	SU8 Z	2497	568	3065	492	117	609	1	SUV - Medium
Subaru	Forester	02-08	SU9 Z	2899	604	3503	396	113	509	1	SUV - Medium
Subaru	Others		SU99Z	3515	745	4260	988	331	1319	0	
Suzuki	Swift	82-85	SZ01A	204	68	272	57	20	77	1	Light
Holden / Suzuki	Barina / Swift / Cultus	86-88	SZ01B	3763	1291	5054	1280	343	1623	1	Light
Holden / Suzuki	Barina / Swift / Cultus	89-99	SZ01C	18955	5605	24560	4195	1048	5243	1	Light
Suzuki	Swift Others		SZ01Z	158	59	217	138	37	175	0	
Suzuki	Vitara / Escudo	88-98	SZ02A	4209	1065	5274	878	265	1143	1	SUV - Small
Suzuki	Grand Vitara	99-05	SZ02B	1128	307	1435	230	68	298	1	SUV - Medium
Suzuki	Vitara Others		SZ02Z	59	25	84	59	20	79	0	
Suzuki	Hatch / Alto	82-84	SZ03Z	808	380	1188	271	90	361	1	Light
Holden / Suzuki	Scurry / Carry	82-00	SZ04Z	420	181	601	149	53	202	1	Commercial - Van
Suzuki	Alto	85-00	SZ05Z	241	104	345	206	56	262	1	Light
Suzuki	Mighty Boy	85-88	SZ06Z	438	198	636	141	44	185	1	Commercial - Ute
Holden / Suzuki	Drover / Sierra / Samurai / SJ410 / SJ413	82-99	SZ07Z	4269	1333	5602	965	283	1248	1	SUV - Small
Suzuki	Baleno / Cultus Crescent	95-02	SZ08Z	2145	547	2692	388	99	487	1	Small
Suzuki	Carry	99-05	SZ09Z	121	28	149	29	7	36	1	Commercial - Van

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Suzuki	Ignis	00-02	SZ10Z	591	241	832	201	62	263	1	Light
Suzuki	Jimny	98-10	SZ11Z	437	192	629	138	49	187	1	SUV - Small
Suzuki	Liana	01-07	SZ12Z	546	166	712	141	33	174	1	Small
Suzuki	Grand Vitara / Escudo	05-08	SZ13Z	424	129	553	84	29	113	1	SUV - Medium
Suzuki	Swift	05-10	SZ14Z	2608	962	3570	763	233	996	1	Light
Suzuki	APV	05-12	SZ15Z	76	23	99	22	4	26	0	
Suzuki	SX4	07-12	SZ16Z	262	62	324	55	20	75	1	SUV - Small
Suzuki	Grand Vitara JT	08-12	SZ17Z	204	41	245	27	8	35	1	SUV - Medium
Suzuki	Alto	09-12	SZ18Z	97	52	149	33	17	50	1	Light
Suzuki	Kizashi	10-12	SZ19Z	24	5	29	4	3	7	0	
Suzuki	Swift	11-12	SZ20Z	90	40	130	25	15	40	1	Light
Suzuki	Others		SZ99Z	2651	752	3403	856	310	1166	0	
Toyota	Corolla	82-84	T01 A	9699	2434	12133	2842	677	3519	1	Small
Toyota	Corolla	85	T01 B	2964	729	3693	1122	267	1389	0	
Toyota	Corolla	86-88	T01 C	17400	4418	21818	3904	1015	4919	1	Small
Toyota	Corolla	89	T01 D	2087	437	2524	396	113	509	0	
Toyota / Holden	Corolla / Nova	89-93	T01 E	31568	7939	39507	6571	1771	8342	1	Small
Toyota / Holden	Corolla / Nova	94-97	T01 F	21848	5473	27321	4289	1073	5362	1	Small
Toyota	Corolla / Allex	98-01	T01 G	8119	2157	10276	1683	350	2033	1	Small
Toyota	Corolla	02-07	T01 H	14761	4065	18826	2797	747	3544	1	Small
Toyota	Corolla	07-12	T01 I	4204	1094	5298	749	269	1018	1	Small
Toyota	Corolla	12-12	T01 J	5	3	8	1	0	1	0	
Toyota	Corolla Others		T01 Z	2	0	2	26	10	36	0	
Toyota	Corona	82-88	T03 Z	17851	3802	21653	3511	934	4445	1	Medium
Toyota	Camry	83-86	T04 Z	3866	752	4618	620	168	788	1	Medium
Holden / Toyota	Apollo JK/JL / Camry / Vista	88-92	T05 A	38060	7666	45726	5716	1605	7321	1	Medium
Holden / Toyota	Apollo JM/JP / Camry / Sceptor	93-97	T05 B	29179	6281	35460	4310	1287	5597	1	Medium
Toyota	Camry	98-02	T05 C	20814	4452	25266	2946	794	3740	1	Medium

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Toyota	Celica	81-85	T06 A	2561	492	3053	558	125	683	1	Medium
Toyota	Celica	86-89	T06 B	2563	436	2999	409	103	512	1	Medium
Toyota	Celica	90-93	T06 C	2862	544	3406	569	134	703	1	Medium
Toyota	Celica	94-99	T06 D	1900	434	2334	410	79	489	1	Medium
Toyota	Celica	00-05	T06 E	662	138	800	94	25	119	1	Medium
Toyota	Celica Others		T06 Z	62	26	88	81	24	105	0	
Toyota	Crown / Cressida / Mark II	82-85	T07 A	2125	414	2539	425	126	551	1	Large
Toyota	Crown / Cressida / Mark II	86-88	T07 B	1068	160	1228	108	46	154	1	Large
Toyota	Cressida / Mark II	89-93	T07 C	2618	426	3044	308	93	401	1	Large
Toyota	Crown / Cressida Others		T07 Z	42	7	49	49	7	56	0	
Toyota	Tercel	83-88	T09 Z	514	119	633	167	37	204	1	Small
Toyota	Lexcen Others		T10 Z	1	0	1	2	0	2	0	
Toyota	Supra	82-90	T11 Z	622	112	734	110	39	149	1	Large
Toyota	MR2	87-90	T12 A	287	69	356	120	41	161	1	Small
Toyota	MR2	91-00	T12 B	221	45	266	121	24	145	1	Small
Toyota	MR2 Others		T12 Z	31	11	42	41	7	48	0	
Toyota	Paseo / Cynos	91-99	T13 Z	1798	410	2208	361	83	444	1	Small
Toyota	Bundera		T14 Z	10	4	14	4	1	5	0	
Toyota	Hiace/Liteace	82-86	T15 A	4601	868	5469	923	277	1200	1	Commercial - Van
Toyota	Hiace/Liteace	87-89	T15 B	2448	436	2884	668	174	842	1	Commercial - Van
Toyota	Hiace/Liteace	90-95	T15 C	6166	921	7087	901	281	1182	1	Commercial - Van
Toyota	Hiace/Liteace	96-04	T15 D	7018	1034	8052	1000	264	1264	1	Commercial - Van
Toyota	Hiace	05-12	T15 E	2001	280	2281	226	61	287	1	Commercial - Van
Toyota	Hiace/Liteace Others		T15 Z	404	84	488	226	62	288	0	
Toyota	4Runner/Hilux	82-85	T16 A	5722	1224	6946	829	360	1189	1	Commercial - Ute
Toyota	4Runner/Hilux	86-88	T16 B	4540	903	5443	885	347	1232	1	Commercial - Ute
Toyota	4Runner/Hilux	89-97	T16 C	21583	4257	25840	3357	1406	4763	1	Commercial - Ute

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Toyota	Hilux	98-02	T16 D	8475	1646	10121	1086	435	1521	1	Commercial - Ute
Toyota	Hilux	03-04	T16 E	2804	563	3367	370	170	540	1	Commercial - Ute
Toyota	Hilux	05-12	T16 F	6997	1124	8121	715	224	939	1	Commercial - Ute
Toyota	4Runner/Hilux Others		T16 Z	1625	556	2181	505	314	819	0	
Lexus	ES300 / Windom	92-01	T17 Z	736	135	871	171	39	210	1	Large
Toyota	Tarago	83-89	T18 A	4966	1284	6250	828	275	1103	1	People Mover
Toyota	Tarago	90	T18 B	191	29	220	280	35	315	0	
Toyota	Tarago / Previa / Estima	91-99	T18 C	3917	685	4602	480	122	602	1	People Mover
Toyota	Tarago / Previa / Estima	00-06	T18 D	1374	254	1628	168	42	210	1	People Mover
Toyota	Tarago Others		T18 Z	119	32	151	23	9	32	0	
Toyota	Commercials		T19 Z	6025	1044	7069	650	183	833	0	
Toyota	Landcruiser	82-89	T20 A	8722	1516	10238	1053	512	1565	1	SUV - Large
Toyota	Landcruiser	90-97	T20 B	14529	2254	16783	1643	709	2352	1	SUV - Large
Toyota	Landcruiser	98-07	T20 C	8703	1685	10388	1138	534	1672	1	SUV - Large
Toyota	Landcruiser Others		T20 Z	665	200	865	177	84	261	0	
Toyota	RAV4	94-00	T21 A	3812	940	4752	797	213	1010	1	SUV - Medium
Toyota	RAV4	01-06	T21 B	3919	937	4856	627	175	802	1	SUV - Medium
Toyota	RAV4 Others		T21 Z	63	16	79	20	6	26	0	
Toyota	Starlet	96-99	T22 Z	5038	1609	6647	1166	334	1500	1	Light
Lexus	LS400 / Celsior	90-00	T25 Z	250	41	291	40	8	48	1	Large
Lexus	IS200 / IS300	99-04	T26 Z	901	167	1068	83	11	94	1	Medium
Toyota	Echo	99-05	T27 Z	7411	2392	9803	1702	504	2206	1	Light
Lexus	GS300	97-04	T28 Z	211	26	237	14	4	18	0	
Toyota	Avalon	00-05	T29 Z	3620	777	4397	560	160	720	1	Large
Toyota	MR2	00-05	T30 Z	128	38	166	17	4	21	1	Small
Lexus	LS430	00-04	T31 Z	65	5	70	4	1	5	0	
Toyota	Corolla 4WD Wagon	92-96	T32 Z	602	124	726	70	17	87	1	Small

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Toyota	Spacia	93-00	T33 A	222	60	282	39	12	51	1	People Mover
Toyota	Spacia	01-02	T33 B	25	6	31	4	1	5	0	
Toyota	Spacia Others		T33 Z	2	0	2	.	.	.	0	
Lexus	ES300	01-05	T34 Z	148	17	165	9	4	13	0	
Lexus	SC430	01-10	T35 Z	33	2	35	3	0	3	0	
Toyota	Camry	02-06	T36 Z	9264	2234	11498	1536	406	1942	1	Medium
Toyota	Prius	01-02	T37 Z	38	6	44	3	1	4	0	
Toyota	Avensis Verso	01-10	T38 Z	284	54	338	33	11	44	1	People Mover
Toyota	Prius II	03-09	T39 Z	509	107	616	99	30	129	1	Small
Toyota	Kluger / Highlander	03-07	T40 Z	1266	255	1521	151	50	201	1	SUV - Large
Toyota	Landcruiser Prado	96-03	T41 Z	1954	364	2318	217	99	316	1	SUV - Large
Toyota	Landcruiser Prado	03-09	T42 Z	3564	636	4200	381	149	530	1	SUV - Large
Lexus	RX330	03-05	T43 Z	366	49	415	27	10	37	1	SUV - Medium
Lexus	GS250/300/350/450h/460	05-12	T44 Z	86	7	93	8	2	10	0	
Toyota	Yaris / Vitz	05-11	T45 Z	4306	1322	5628	940	223	1163	1	Light
Lexus	IS350 / IS250 / IS F	05-12	T48 Z	541	85	626	51	12	63	1	Medium
Lexus	RX270/350/400h/450h	06-12	T49 Z	251	25	276	18	7	25	1	SUV - Large
Toyota	Aurion	06-12	T50 Z	2056	400	2456	265	67	332	1	Large
Toyota	Camry	06-11	T51 Z	3342	674	4016	526	150	676	1	Medium
Toyota	RAV4	06-12	T52 Z	2069	451	2520	285	102	387	1	SUV - Medium
Toyota	Yaris / Vitz	11-12	T53 Z	288	74	362	131	29	160	1	Light
Toyota	Tarago	06-12	T54 Z	499	102	601	54	14	68	1	People Mover
Lexus	LS460 / 600hL	07-12	T55 Z	14	0	14	.	.	.	0	
Toyota	Kluger / Highlander	07-12	T57 Z	963	163	1126	108	21	129	1	SUV - Large
Toyota	Landcruiser 200 Series	07-12	T58 Z	582	96	678	36	46	82	1	SUV - Large
Lexus	LX570	08-12	T60 Z	15	1	16	.	.	.	0	
Toyota	Landcruiser Prado	09-12	T61 Z	223	31	254	15	6	21	1	SUV - Large

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Toyota	Prius III	09-12	T62 Z	27	10	37	8	1	9	0	
Toyota	Rukus	10-12	T64 Z	14	3	17	4	1	5	0	
Toyota	FJ Cruiser	11-12	T65 Z	24	4	28	3	0	3	0	
Toyota	Camry	11-12	T66 Z	34	7	41	7	1	8	0	
Lexus	CT200h	11-12	T67 Z	9	2	11	1	0	1	0	
Toyota	86	12-12	T70 Z	5	0	5	.	.	.	0	
Toyota	Prius V	12-12	T72 Z	1	0	1	.	.	.	0	
Toyota	Prius C	12-12	T73 Z	1	1	2	1	0	1	0	
Toyota	Others		T99 Z	30805	5214	36019	9155	3131	12286	0	
Volvo	850/S70/V70/C70	92-99	V877Z	2108	383	2491	306	69	375	1	Large
Volvo	200 Series	82-93	VO02Z	3391	499	3890	364	102	466	1	Medium
Volvo	300 Series	84-88	VO03Z	193	28	221	36	13	49	1	Small
Volvo	700/900 Series	84-92	VO07Z	2327	376	2703	314	59	373	1	Large
Volvo	960/S90/V90	90-98	VO10Z	149	30	179	27	5	32	1	Large
Volvo	S80	98-06	VO11Z	104	14	118	18	3	21	1	Large
Volvo	S60	01-09	VO12Z	214	33	247	30	4	34	1	Medium
Volvo	XC90	03-12	VO13Z	231	24	255	21	6	27	1	SUV - Large
Volvo	S40/V50	04-12	VO14Z	129	30	159	32	1	33	1	Medium
Volvo	S80 A-Series	07-12	VO15Z	10	2	12	1	1	2	0	
Volvo	V70 / XC70	00-07	VO16Z	146	25	171	27	6	33	1	Large
Volvo	C30	07-12	VO17Z	21	3	24	6	1	7	0	
Volvo	V70 / XC70 BW Series	08-12	VO18Z	14	0	14	.	.	.	0	
Volvo	C70	99-05	VO19Z	2	0	2	1	0	1	0	
Volvo	C70 M series	06-12	VO20Z	16	1	17	1	1	2	0	
Volvo	XC60	09-12	VO21Z	23	4	27	4	3	7	0	
Volvo	S60 / V60	11-12	VO22Z	2	0	2	1	0	1	0	
Volvo	S40/V40	97-04	VO40Z	921	174	1095	158	23	181	1	Small

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Volvo	Others		VO99Z	3499	446	3945	548	150	698	0	
Volkswagen	Caravelle / Transporter	88-94	VS01A	376	53	429	29	7	36	1	Commercial - Van
Volkswagen	Caravelle / Transporter	95-04	VS01B	1148	197	1345	116	22	138	1	Commercial - Van
Volkswagen	Caravelle / Transporter Others		VS01Z	125	20	145	10	3	13	0	
Volkswagen	Golf	82-94	VS02A	251	52	303	80	19	99	1	Small
Volkswagen	Golf	95-98	VS02B	1306	246	1552	189	38	227	1	Small
Volkswagen	Golf / Bora	99-04	VS02C	2416	544	2960	518	82	600	1	Small
Volkswagen	Golf Others		VS02Z	7	2	9	6	1	7	0	
Volkswagen	Kombi		VS03Z	12	4	16	3	1	4	0	
Volkswagen	Passat	95-97	VS04A	53	8	61	9	1	10	0	
Volkswagen	Passat	98-06	VS04B	505	80	585	110	19	129	1	Medium
Volkswagen	Passat Others		VS04Z	9	1	10	3	0	3	0	
Volkswagen	70E Pick Up		VS07Z	24	1	25	5	1	6	0	
Volkswagen	Polo	96-00	VS08A	572	177	749	174	32	206	1	Light
Volkswagen	Polo	01-02	VS08B	80	25	105	27	7	34	1	Light
Volkswagen	Polo Others		VS08Z	8	2	10	2	2	4	0	
Volkswagen	New Beetle	00-11	VS10Z	397	110	507	120	22	142	1	Small
Volkswagen	Polo	02-10	VS11Z	396	118	514	97	24	121	1	Light
Volkswagen	LT	03-06	VS12Z	41	6	47	10	3	13	0	
Volkswagen	Touareg	03-10	VS13Z	150	27	177	20	6	26	1	SUV - Large
Volkswagen	Transporter	04-12	VS14Z	149	24	173	14	4	18	0	
Volkswagen	Golf / Jetta	04-09	VS15A	1571	335	1906	294	77	371	1	Small
Volkswagen	Golf / Jetta Others		VS15Z	61	12	73	44	1	45	0	
Volkswagen	Caddy	05-12	VS16Z	254	69	323	48	17	65	1	Commercial - Van
Volkswagen	Multivan	04-12	VS17Z	42	9	51	11	3	14	0	
Volkswagen	Passat	06-12	VS18Z	130	18	148	36	6	42	1	Medium
Volkswagen	Crafter	07-12	VS19Z	26	1	27	4	0	4	0	

MAKE/MODEL			MODEL CODE	No. of uninjured drivers in NSW (87-2012) and QLD and WA (91-2012) and SA (95-2012)	No. of injured drivers in NSW (87-2012) and QLD and WA (91-2012) and SA (95-2012)	No. of involved drivers in NSW (87-2012) and QLD and WA (91-2012) and SA (95-2012)	No. of injured (but not severely) drivers in NSW and Victoria (87-2012) and QLD,WA and NZ (91-2012) and SA (95-2012)	No. of severely injured drivers in NSW and Victoria (87-2012) and QLD,WA and NZ (91-2012) and SA (95-2012)	No. of injured drivers in NSW, Victoria (87-2012) and QLD,WA and NZ (91-2012) and SA (95-2012)	ANALYSIS INCLUSION CRITERIA INV=100 INJ=20	MARKET GROUP
Volkswagen	EOS	07-12	VS20Z	65	17	82	14	4	18	0	
Skoda	Roomster	07-12	VS30Z	2	0	2	.	.	.	0	
Skoda	Octavia / Scout	07-12	VS31Z	30	4	34	4	0	4	0	
Skoda	Superb	09-12	VS32Z	4	0	4	.	.	.	0	
Volkswagen	Tiguan	08-12	VS33Z	76	13	89	26	4	30	0	
Volkswagen	Polo	10-12	VS34Z	5	1	6	5	0	5	0	
Volkswagen	Touareg	11-12	VS35Z	1	0	1	1	0	1	0	
Volkswagen	Amarok	11-12	VS36Z	7	1	8	1	0	1	0	
Skoda	Yeti	11-12	VS37Z	4	2	6	1	1	2	0	
Skoda	Fabia	11-12	VS38Z	2	0	2	.	.	.	0	
Volkswagen	Scirocco	11-12	VS39Z	2	0	2	1	0	1	0	
Volkswagen	CC	12-12	VS42Z	33	9	42	10	9	19	0	
Volkswagen	Others		VS99Z	421	67	488	95	32	127	0	
			Unknown	358420	112460	470880	84092	31556	115648		
			Total	**2668160**	**602729**	**3270889**	**539285**	**162150**	**701435**	**561**	

APPENDIX 2

LOGISTIC REGRESSION ESTIMATES OF CRASHWORTHINESS INJURY RISK BY MODEL AND MARKET GROUP

CRASHWORTHINESS INJURY RISK RATINGS

New South Wales Data (1987-2012), South Australia (1995-2012), Queensland Data (1991-2012), Western Australia Data (1991-2012)

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
ALL VEHICLE AVERAGE			**17.85**			
Small Sports Utility Vehicles			**20.59**	**20.02**	**21.17**	**1.15**
Daihatsu	Feroza / Rocky	89-97	22.38	20.12	24.83	4.71
Daihatsu	Rocky / Rugger	85-98	24.24	21.01	27.78	6.77
Daihatsu	Terios	97-05	25.40	23.18	27.75	4.57
Holden	Cruze	02-06	22.32	20.05	24.76	4.71
Hyundai	Tucson	04-10	15.38	12.84	18.31	5.47
Hyundai	ix35	10-12	15.80	11.07	22.05	10.98
Mitsubishi	Pajero iO	99-03	15.17	10.66	21.14	10.48
Mitsubishi	Outlander	03-06	16.45	14.25	18.92	4.67
Mitsubishi / Peugeot	Outlander / 4007	06-12	12.12	10.27	14.26	3.99
Kia	Sportage	98-03	19.22	17.10	21.55	4.45
Kia	Sportage KM	05-10	16.00	12.20	20.72	8.53
Nissan	X-Trail	01-07	16.64	15.58	17.75	2.17
Nissan	Dualis	07-12	14.38	10.80	18.91	8.12
Lada	Niva	84-99	20.98	16.96	25.66	8.70
Honda	HR-V	99-02	17.25	14.60	20.28	5.68
Land Rover	Freelander	98-06	14.59	11.57	18.24	6.68
Suzuki	Vitara / Escudo	88-98	23.06	21.82	24.35	2.52
Holden / Suzuki	Drover / Sierra / Samurai / SJ410 / SJ413	82-99	29.10	27.76	30.47	2.71
Suzuki	Jimny	98-10	24.00	20.83	27.48	6.65
Suzuki	SX4	07-12	14.28	11.10	18.18	7.08
Medium Sports Utility Vehicles			**15.38**	**15.00**	**15.76**	**0.77**
BMW	X3 E83	04-10	10.34	6.60	15.83	9.24
Daewoo / Ssangong	Musso	98-06	14.01	10.70	18.14	7.44
Holden / Isuzu	Jackaroo / Bighorn	82-91	22.63	20.09	25.38	5.28
Holden / Isuzu	Jackaroo / Bighorn	92-97	16.65	14.49	19.06	4.57
Holden / Isuzu	Jackaroo / Bighorn	98-02	15.89	14.07	17.90	3.83
Holden	Frontera / Mu	95-03	16.89	14.25	19.89	5.63
Holden	Adventra	03-06	15.25	12.18	18.93	6.75
Holden	Captiva CG	06-12	13.94	12.30	15.76	3.46
Hyundai	Santa Fe	00-06	15.42	13.14	18.01	4.86
Hyundai	Terracan	01-07	13.49	10.71	16.85	6.14
Hyundai	Santa Fe	06-12	13.75	9.00	20.45	11.45
Mitsubishi	Pajero	82-90	20.71	19.04	22.48	3.44
Mitsubishi	Pajero	92-99	15.10	14.12	16.13	2.02
Mitsubishi	Pajero NM / NP	00-06	11.70	10.56	12.95	2.39
Mitsubishi	Pajero NS / NT / NW	07-12	9.01	6.94	11.63	4.69
Mitsubishi	Challenger	98-06	15.71	13.61	18.05	4.44
Jeep	Cherokee XJ	96-00	15.72	14.01	17.59	3.57

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Jeep	Wrangler	96-04	17.07	14.02	20.64	6.62
Jeep	Cherokee KJ	01-07	12.31	9.88	15.23	5.35
Jeep	Wrangler	05-12	11.98	8.50	16.62	8.12
Land Rover	Defender	92-12	14.48	11.67	17.84	6.16
Ford / Mazda	Escape / Tribute	01-06	15.25	14.00	16.59	2.59
Mazda	CX-7	06-12	12.90	10.52	15.73	5.22
Ford / Mazda	Escape / Tribute	06-12 / 06-08	9.71	6.69	13.88	7.19
Nissan	Pathfinder / Terrano	88-94	14.20	11.73	17.10	5.37
Nissan	Pathfinder / Terrano / Regulus	95-05	13.53	12.01	15.22	3.21
Nissan	Murano	05-08	11.13	8.18	14.98	6.79
Nissan	Pathfinder	05-12	10.57	8.35	13.31	4.96
Honda	CR-V	97-01	15.00	13.95	16.12	2.18
Honda	CR-V	02-06	16.19	15.04	17.42	2.38
Honda	CR-V	07-12	12.58	10.77	14.66	3.89
Subaru	Tribeca	06-12	14.88	11.57	18.94	7.37
Subaru	Forester	08-12	14.26	12.22	16.58	4.36
Subaru	Forester	97-02	16.02	14.78	17.35	2.57
Subaru	Forester	02-08	13.77	12.72	14.90	2.17
Suzuki	Grand Vitara	99-05	16.96	15.17	18.92	3.75
Suzuki	Grand Vitara / Escudo	05-08	15.12	12.63	18.01	5.38
Suzuki	Grand Vitara JT	08-12	12.90	9.44	17.40	7.96
Toyota	RAV4	94-00	18.47	17.36	19.62	2.26
Toyota	RAV4	01-06	15.67	14.71	16.68	1.97
Lexus	RX330	03-05	10.38	7.88	13.56	5.68
Toyota	RAV4	06-12	13.57	12.37	14.86	2.49
Large Sports Utility Vehicles			**12.97**	**12.64**	**13.30**	**0.65**
BMW	X5	01-06	10.06	8.06	12.50	4.44
BMW	X5 E70	07-12	6.90	4.49	10.45	5.96
Ford	Bronco	82-87	17.79	12.61	24.51	11.91
Ford	Explorer	00-01	19.30	16.22	22.80	6.58
Ford	Explorer	01-05	13.23	10.59	16.40	5.81
Ford	Territory SX/SY	04-10	12.40	11.28	13.61	2.33
Jeep	Grand Cherokee ZG	96-99	14.55	11.29	18.56	7.27
Jeep	Grand Cherokee WG	99-05	11.99	9.26	15.40	6.14
Kia	Sorento	03-09	11.52	9.10	14.47	5.37
Land Rover	Discovery	91-02	14.55	13.00	16.26	3.26
Land Rover	Discovery	02-04	14.60	10.09	20.66	10.57
Mazda	CX-9	07-12	8.55	5.89	12.26	6.37
Mercedes Benz	M-Class W163	98-05	10.86	8.90	13.19	4.29
Mercedes Benz	M / GL -Class W164 / X164	05-11	7.93	5.45	11.40	5.95
Nissan	Patrol / Safari	82-87	16.76	14.86	18.84	3.98
Nissan / Ford	Patrol / Maverick / Safari	88-97	13.00	12.31	13.72	1.41
Nissan	Patrol / Safari	98-12	11.11	10.41	11.84	1.44
Nissan	Patrol	12-12	19.02	14.38	24.74	10.36
Land Rover	Range Rover	82-94	16.26	13.93	18.89	4.96
Land Rover	Range Rover	95-02	15.22	11.27	20.25	8.98
Toyota	Landcruiser	82-89	17.37	16.55	18.22	1.67
Toyota	Landcruiser	90-97	13.93	13.37	14.51	1.14
Toyota	Landcruiser	98-07	13.04	12.42	13.69	1.27
Toyota	Kluger / Highlander	03-07	13.45	11.90	15.16	3.27
Toyota	Landcruiser Prado	96-03	12.05	10.86	13.36	2.50

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Toyota	Landcruiser Prado	03-09	11.17	10.31	12.08	1.77
Lexus	RX270/350/400h/450h	06-12	7.24	4.86	10.65	5.78
Toyota	Kluger / Highlander	07-12	12.00	10.31	13.92	3.61
Toyota	Landcruiser 200 Series	07-12	7.95	6.32	9.96	3.64
Toyota	Landcruiser Prado	09-12	9.77	6.82	13.80	6.98
Volvo	XC90	03-12	7.36	4.93	10.84	5.91
Volkswagen	Touareg	03-10	12.80	8.78	18.29	9.51
Commercial - Utes			**16.02**	**15.68**	**16.35**	**0.67**
Ford / Nissan	Falcon Ute / XFN Ute	82-95	18.12	17.36	18.91	1.55
Ford	Falcon Ute	96-99	17.39	16.04	18.83	2.79
Ford	Falcon Ute AU	00-02	14.51	13.40	15.69	2.29
Ford	Falcon Ute BA/BF	03-08	12.65	11.68	13.69	2.00
Ford	Falcon Ute FG	08-12	10.24	6.88	14.98	8.09
Ford	Ford F-Series	82-92	15.89	13.61	18.47	4.86
Ford	F-Series	01-06	9.24	6.87	12.32	5.45
Holden	Commodore Ute VG/VP	90-93	18.15	16.53	19.90	3.37
Holden / Isuzu	Rodeo / Pickup	82-85	22.76	19.78	26.05	6.27
Holden / Isuzu	Rodeo / Pickup	86-88	22.85	19.02	27.19	8.16
Holden / Isuzu	Rodeo / Pickup	89-95	19.57	18.68	20.50	1.82
Holden	Rodeo	96-98	17.60	16.42	18.83	2.41
Holden	Rodeo	99-02	16.79	15.73	17.90	2.16
Holden	WB Series	82-85	18.34	16.54	20.29	3.75
Holden	Commodore Ute VR/VS	94-00	17.37	16.62	18.16	1.54
Holden	Commodore VU Ute	00-02	14.40	13.23	15.67	2.44
Holden	Commodore VY/VZ Ute	02-07	14.13	13.37	14.92	1.56
Holden	Rodeo	03-08	14.79	13.96	15.66	1.70
Holden	Commodore VE Ute	07-12	13.69	11.80	15.83	4.04
Holden	Colorado RC / RG	08-12	16.21	13.68	19.10	5.42
Mitsubishi	Triton MK	96-06	14.49	13.20	15.89	2.69
Mitsubishi	Triton ML / MN	06-12	13.70	12.26	15.28	3.01
Kia	Ceres	92-00	21.97	19.87	24.22	4.35
Kia	K2700	02-08	13.67	9.67	18.99	9.33
Ford / Mazda	Courier / B-Series / Bounty	98-02	15.49	14.20	16.88	2.68
Ford / Mazda	Courier / Bravo / Bounty	03-06	16.49	15.04	18.05	3.01
Ford / Mazda	Ranger / BT-50	06-11	13.68	12.53	14.91	2.38
Nissan	720 Ute	82-85	21.76	19.73	23.92	4.19
Nissan	Navara	86-91	19.18	17.94	20.48	2.55
Nissan	Navara	92-96	17.36	15.80	19.04	3.23
Nissan	Navara	97-05	11.80	10.86	12.80	1.94
Nissan	Navara	05-12	12.64	11.24	14.19	2.95
Proton	Jumbuck	03-10	18.34	14.08	23.54	9.47
Subaru	Brumby	82-92	24.11	22.24	26.07	3.83
Suzuki	Mighty Boy	85-88	40.17	35.99	44.50	8.52
Toyota	4Runner/Hilux	82-85	21.47	20.38	22.60	2.22
Toyota	4Runner/Hilux	86-88	19.88	18.70	21.11	2.41
Toyota	4Runner/Hilux	89-97	18.19	17.66	18.73	1.07
Toyota	Hilux	98-02	15.55	14.82	16.30	1.48
Toyota	Hilux	03-04	14.62	13.47	15.86	2.38
Toyota	Hilux	05-12	12.77	12.05	13.52	1.47

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Commercial - Vans			**18.22**	**17.73**	**18.72**	**0.99**
Daihatsu	Handivan	82-90	37.78	34.53	41.15	6.62
Daihatsu	Hi-Jet	82-90	46.48	39.19	53.92	14.73
Daihatsu	Handivan / Cuore	99-03	31.04	26.41	36.08	9.68
Ford	Falcon Panel Van	82-95	19.08	17.72	20.53	2.82
Ford	Falcon Panel Van	96-99	15.46	12.39	19.14	6.75
Ford	Transit	95-00	15.36	13.36	17.59	4.23
Ford	Transit	01-07	11.38	9.61	13.42	3.81
Fiat	Ducato	02-07	9.44	5.38	16.03	10.65
Holden	Shuttle / WFR Van	82-87	25.39	21.50	29.71	8.20
Hyundai	iLoad	08-12	11.84	8.31	16.58	8.27
Mitsubishi	Express	94-12	19.36	17.03	21.92	4.90
Kia	Pregio	02-06	18.22	15.80	20.91	5.11
Mercedes Benz	MB100 / MB140	99-04	12.90	10.00	16.49	6.50
Mercedes Benz	Vito	99-04	12.35	9.92	15.28	5.36
Mercedes Benz	Sprinter	98-06	14.97	12.43	17.92	5.49
Mercedes Benz	Sprinter	06-12	10.70	6.62	16.84	10.21
Mercedes Benz	Vito / Viano / Valente	04-12	12.61	8.72	17.89	9.17
Honda	Acty	83-86	18.72	14.73	23.51	8.78
Holden / Suzuki	Scurry / Carry	82-00	37.84	33.58	42.29	8.71
Suzuki	Carry	99-05	19.60	13.69	27.26	13.57
Toyota	Hiace/Liteace	82-86	25.14	23.73	26.60	2.87
Toyota	Hiace/Liteace	87-89	23.54	21.68	25.51	3.82
Toyota	Hiace/Liteace	90-95	19.87	18.75	21.04	2.30
Toyota	Hiace/Liteace	96-04	16.40	15.49	17.35	1.86
Toyota	Hiace	05-12	14.07	12.59	15.69	3.10
Volkswagen	Caravelle / Transporter	88-94	16.20	12.58	20.62	8.03
Volkswagen	Caravelle / Transporter	95-04	17.50	15.36	19.86	4.51
Volkswagen	Caddy	05-12	21.20	16.98	26.14	9.16
Large Cars			**17.02**	**16.71**	**17.34**	**0.63**
Audi	A8	95-03	12.97	8.40	19.48	11.08
BMW	5 Series E60 / E61	03-10	13.42	10.25	17.37	7.11
BMW	5 Series E28	82-88	16.08	13.72	18.76	5.03
BMW	5 Series E34	89-95	17.12	14.73	19.81	5.07
BMW	5 Series E39	96-03	11.65	9.84	13.73	3.89
BMW	7 Series E23	82-86	11.42	7.13	17.80	10.67
BMW	7 Series E32	87-94	18.15	14.25	22.84	8.59
BMW	7 Series E38	95-01	11.12	7.51	16.16	8.65
Chrysler	300C	06-11	12.68	8.90	17.76	8.86
Ford	Falcon XE/XF	82-88	19.92	19.52	20.32	0.80
Ford	Fairlane Z & LTD F	82-87	19.43	18.38	20.52	2.15
Ford	Falcon EA / Falcon EB Series I	88-Mar 92	19.05	18.64	19.46	0.82
Ford	Falcon EB Series II / Falcon ED	Apr 92-94	17.65	17.12	18.20	1.08
Ford	Fairlane N & LTD D	88-94	15.86	14.86	16.92	2.06
Ford	Fairlane N & LTD D	95-98	16.70	15.21	18.31	3.10
Ford	Fairlane & LTD AU	99-02	16.56	14.71	18.59	3.88
Ford	Fairlane & LTD BA/BF	03-07	13.33	11.41	15.51	4.10
Ford	Falcon FG	08-12	12.52	11.32	13.83	2.51
Ford	Falcon EF/EL	94-98	17.61	17.25	17.98	0.72

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Ford	Falcon AU	98-02	16.86	16.43	17.30	0.87
Ford	Taurus	96-98	19.52	16.48	22.97	6.49
Ford	Falcon BA/BF	02-08	14.54	14.11	14.98	0.87
Holden / Toyota	Commodore VN/VP / Lexcen	89-93	19.75	19.39	20.11	0.72
Holden	Statesman/Caprice WB	82-85	18.80	12.89	26.59	13.71
Holden	Stateman/Caprice VQ	90-93	17.37	14.56	20.60	6.03
Holden	Stateman/Caprice VR/VS	94-98	17.20	16.16	18.29	2.13
Holden / Toyota	Commodore VR/VS / Lexcen	93-97	18.47	18.13	18.82	0.68
Holden	Commodore VT/VX	97-02	17.51	17.18	17.85	0.67
Holden	Statesman/Caprice WH	99-03	16.72	15.12	18.46	3.34
Holden	Commodore VY/VZ	02-07	16.10	15.61	16.59	0.98
Holden	Monaro	01-05	15.97	13.93	18.25	4.33
Holden	Statesman/Caprice WK/WL	03-06	13.93	11.92	16.22	4.30
Holden	Commodore VB-VL	82-88	21.31	20.89	21.73	0.84
Holden	Commodore VE	06-12	14.81	14.13	15.51	1.37
Holden	Statesman/Caprice WM	06-12	13.18	9.93	17.28	7.34
Hyundai	Sonata	89-97	20.44	19.25	21.69	2.44
Hyundai	Grandeaur / XG	99-00	16.58	13.57	20.10	6.53
Mitsubishi	Magna TM/TN/TP / Sigma / V3000	85-90	21.18	20.65	21.73	1.08
Mitsubishi	Magna TE/TF/TH/TJ / Verada KE/KF/KH/KJ / Diamante	96-03	17.86	17.37	18.36	0.99
Mitsubishi	Magna TR/TS / Verada KR/KS / V3000 / Diamante	91-96	18.92	18.44	19.42	0.99
Mitsubishi	Magna TL/TW / Verada KL/KW	03-05	17.14	15.85	18.52	2.68
Mitsubishi	380	05-08	15.12	13.43	16.98	3.55
Jaguar	XJ6	82-86	20.09	15.85	25.11	9.26
Jaguar	XJ6	87-94	14.58	11.61	18.14	6.53
Jaguar	S-Type	99-08	10.24	7.23	14.30	7.06
Kia	Optima	01-06	20.32	14.88	27.11	12.22
Mazda	929 / Luce	82-90	21.96	20.49	23.50	3.01
Mazda	929 / Sentia / Efini MS-9	92-96	18.69	14.41	23.89	9.48
Mercedes Benz	E-Class W123	82-85	16.73	13.57	20.44	6.87
Mercedes Benz	E-Class W124	86-94	17.93	15.96	20.09	4.13
Mercedes Benz	E-Class W210	96-02	14.73	12.60	17.15	4.55
Mercedes Benz	S-Class W126	82-92	16.66	14.40	19.18	4.78
Mercedes Benz	S-Class C140	93-98	8.41	5.36	12.98	7.62
Mercedes Benz	S-Class W220	99-06	11.55	7.71	16.94	9.24
Mercedes Benz	E-Class W211	02-09	12.75	10.15	15.90	5.75
Nissan	Skyline	83-88	20.21	19.13	21.33	2.20
Nissan	300ZX / Fairlady Z	90-95	21.30	18.10	24.90	6.79
Nissan	Maxima	90-94	19.26	16.83	21.94	5.12
Nissan	Maxima / Cefiro	95-99	18.47	16.58	20.52	3.93
Nissan	Maxima	00-02	18.32	15.58	21.42	5.84
Nissan	Maxima	06-09	14.54	12.12	17.35	5.23
Honda	Legend	86-95	15.31	12.99	17.95	4.96
Rover	3500	82-87	22.20	16.03	29.88	13.85
Saab	9-5	98-05	16.80	13.13	21.24	8.11
Toyota	Crown / Cressida / Mark II	82-85	21.58	19.79	23.49	3.69
Toyota	Crown / Cressida / Mark II	86-88	16.76	14.50	19.30	4.80
Toyota	Cressida / Mark II	89-93	16.59	15.17	18.12	2.95
Toyota	Supra	82-90	20.89	17.67	24.52	6.85
Lexus	ES300 / Windom	92-01	17.67	15.09	20.58	5.48
Lexus	LS400 / Celsior	90-00	14.87	11.07	19.68	8.61

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Toyota	Avalon	00-05	15.80	14.76	16.91	2.15
Toyota	Aurion	06-12	14.18	12.89	15.58	2.70
Volvo	850/S70/V70/C70	92-99	16.89	15.37	18.53	3.16
Volvo	700/900 Series	84-92	17.45	15.89	19.13	3.24
Volvo	960/S90/V90	90-98	17.53	12.43	24.14	11.71
Volvo	S80	98-06	13.06	7.85	20.92	13.06
Volvo	V70 / XC70	00-07	11.84	8.02	17.14	9.12
Medium Cars			**18.19**	**17.85**	**18.54**	**0.69**
Alfa Romeo	164	89-92	16.41	10.29	25.15	14.85
Alfa Romeo	156	99-06	16.79	13.98	20.04	6.05
Audi	A4 / S4 B8 / AllRoad	08-12	9.99	6.24	15.61	9.37
Audi	A4	95-01	15.64	13.55	17.98	4.43
Audi	TT	99-06	15.93	11.30	21.98	10.68
Audi	A4	01-08	13.92	11.90	16.21	4.31
BMW	Z3 E36	97-03	12.84	9.31	17.45	8.15
BMW	3 Series E90 /E91 /E92 /E93	05-12	15.46	13.54	17.60	4.06
BMW	3 Series E30	82-91	18.78	17.51	20.12	2.61
BMW	3 Series E36	92-98	18.64	17.65	19.67	2.02
BMW	3 Series E46	99-06	17.79	16.66	18.98	2.31
Chrysler	PT Cruiser	00-10	18.83	15.05	23.29	8.23
Citroen	C5	01-08	14.58	10.15	20.50	10.35
Daewoo	Espero	95-97	24.69	22.15	27.42	5.28
Daewoo	Leganza	97-02	19.59	17.25	22.16	4.91
Daewoo	Tacuma	00-04	19.97	14.73	26.49	11.76
Ford	Mondeo	95-01	17.13	15.75	18.61	2.87
Ford	Mondeo	07-12	15.93	12.68	19.83	7.15
Ford	Probe	94-98	23.22	18.62	28.56	9.94
Ford	Cougar	99-03	17.88	15.57	20.44	4.87
Holden	Calibra	94-97	18.24	14.74	22.34	7.60
Holden	Camira	82-89	26.08	25.34	26.85	1.51
Holden	Vectra	97-03	17.93	16.90	19.01	2.12
Holden	Vectra ZC	03-05	16.82	14.23	19.77	5.54
Hyundai	Sonata	98-01	18.78	16.85	20.88	4.03
Hyundai	Sonata EF	02-05	20.77	17.17	24.90	7.73
Hyundai	Tiburon	02-10	20.35	15.51	26.23	10.72
Hyundai	Sonata NF	05-10	22.79	18.61	27.58	8.97
Mitsubishi	Sigma / Galant / Sapporo / Lambda	82-84	23.13	22.29	23.99	1.70
Mitsubishi	Starion	82-87	24.47	18.30	31.91	13.61
Mitsubishi	Galant	95-96	21.35	19.40	23.43	4.02
Jaguar	X-Type	02-10	12.21	9.09	16.21	7.12
Kia	Credos	98-01	23.37	16.50	32.00	15.50
Ford / Mazda	Telstar / 626 / MX6 / Capella	83-86	22.47	21.61	23.36	1.76
Ford / Mazda	Telstar / 626 / MX6 / Capella	88-91	20.18	19.26	21.15	1.89
Ford / Mazda	Telstar / 626 / MX6 / Capella / Cronos	92-97	17.54	16.64	18.46	1.82
Mazda	626	98-02	17.75	16.36	19.22	2.86
Mazda	RX7	82-85	24.06	20.68	27.79	7.11
Mazda	RX7	86-91	18.78	14.95	23.31	8.35
Mazda	Eunos 500	93-99	23.65	19.75	28.06	8.30
Mazda	Eunos 800	94-00	15.33	10.17	22.46	12.29

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Mazda	6 / Atenza	02-07	16.65	15.50	17.87	2.37
Mazda	RX-8	03-11	12.48	9.65	15.98	6.33
Mazda	6 / Atenza	08-11	16.22	13.12	19.88	6.77
Mercedes Benz	C-Class W201	87-93	18.43	16.05	21.08	5.02
Mercedes Benz	C-Class W202	95-00	15.42	13.78	17.22	3.44
Mercedes Benz	CLK C208	97-03	15.96	12.03	20.86	8.84
Mercedes Benz	SLK R170	97-04	17.25	13.07	22.41	9.34
Mercedes Benz	C-Class W203	00-07	15.24	13.56	17.08	3.52
Mercedes Benz	CLK C209	03-09	13.57	10.60	17.22	6.62
Mercedes Benz	C-Class W204 / C204	07-12	11.47	8.97	14.56	5.60
Nissan	Pintara	86-88	20.79	19.72	21.89	2.17
Nissan / Ford	Pintara / Corsair / Bluebird	89-92	22.18	21.34	23.05	1.71
Nissan	Bluebird	82-86	23.64	22.82	24.48	1.66
Nissan	280ZX	82-84	19.36	12.72	28.35	15.63
Nissan	Bluebird	93-97	16.89	15.29	18.61	3.31
Nissan	200SX / Silvia	94-02	16.35	14.64	18.21	3.57
Nissan	350Z / Fairlady	03-09	19.17	15.18	23.90	8.72
Honda	Accord Euro	03-08	16.05	14.70	17.50	2.81
Honda	Accord	03-07	15.23	13.46	17.20	3.74
Honda	Accord	82-85	24.05	22.16	26.05	3.89
Honda	Accord	86-90	19.24	17.64	20.93	3.29
Honda	Accord	91-93	15.40	13.76	17.19	3.43
Honda	Accord	94-98	16.43	15.30	17.62	2.32
Honda	Accord	99-02	16.30	14.10	18.77	4.67
Honda	Accord	08-12	12.24	9.57	15.54	5.97
Honda	Accord Euro	08-12	17.20	13.63	21.46	7.82
Honda	Prelude	82-82	20.82	15.55	27.30	11.74
Honda	Prelude	83-91	20.57	19.19	22.03	2.83
Honda	Prelude	92-96	18.19	16.38	20.16	3.78
Honda	Prelude	97-02	17.74	15.38	20.36	4.98
Peugeot	407	04-11	8.47	5.02	13.95	8.94
Peugeot	405	89-97	17.15	14.26	20.48	6.22
Peugeot	505	82-93	14.38	11.83	17.37	5.54
Peugeot	406	96-04	10.93	8.01	14.75	6.74
Porsche	944	82-91	16.56	9.70	26.82	17.12
Renault	Feugo	82-87	19.92	15.42	25.35	9.93
Rover	75	01-05	16.21	10.72	23.76	13.05
Saab	900 Series	82-92	18.83	16.54	21.37	4.83
Saab	900/9-3	94-02	15.91	14.22	17.77	3.56
Saab	9000	86-97	17.15	14.99	19.54	4.55
Saab	9-3	03-11	18.13	14.53	22.37	7.84
Subaru	1800 / Leone / Omega / 4WD Wagon	82-93	22.98	21.98	24.01	2.03
Subaru	Liberty / Legacy	89-93	19.67	18.66	20.71	2.05
Subaru	Liberty / Legacy / Outback	94-98	17.24	16.01	18.53	2.52
Subaru	Liberty / Legacy / Outback	99-03	14.86	13.89	15.89	2.00
Subaru	Liberty / Legacy / Outback	03-09	12.94	11.84	14.13	2.29
Toyota	Corona	82-88	23.11	22.45	23.80	1.35
Toyota	Camry	83-86	22.22	20.85	23.65	2.80
Holden / Toyota	Apollo JK/JL / Camry / Vista	88-92	19.50	19.07	19.94	0.86
Holden / Toyota	Apollo JM/JP / Camry / Sceptor	93-97	20.39	19.91	20.89	0.98
Toyota	Camry	98-02	17.26	16.77	17.77	1.00
Toyota	Celica	81-85	23.02	21.28	24.85	3.56

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Toyota	Celica	86-89	19.72	18.11	21.44	3.33
Toyota	Celica	90-93	20.34	18.84	21.92	3.09
Toyota	Celica	94-99	21.22	19.46	23.08	3.62
Toyota	Celica	00-05	16.02	13.62	18.75	5.13
Lexus	IS200 / IS300	99-04	15.73	13.61	18.10	4.48
Toyota	Camry	02-06	16.80	16.13	17.50	1.37
Lexus	IS350 / IS250 / IS F	05-12	12.33	10.02	15.09	5.07
Toyota	Camry	06-11	14.21	13.19	15.29	2.10
Volvo	200 Series	82-93	16.08	14.81	17.43	2.62
Volvo	S60	01-09	11.57	8.25	16.00	7.75
Volvo	S40/V50	04-12	16.91	11.93	23.42	11.49
Volkswagen	Passat	98-06	13.68	11.08	16.78	5.70
Volkswagen	Passat	06-12	10.36	6.56	16.00	9.45
People Movers			**18.56**	**18.06**	**19.07**	**1.01**
Chrysler	Voyager	97-01	13.86	11.36	16.80	5.44
Chrysler	Grand Voyager RG	01-07	17.76	13.04	23.73	10.68
Holden	Zafira TT	01-05	16.14	13.29	19.47	6.19
Hyundai	Trajet	00-07	12.90	8.01	20.13	12.12
Mitsubishi	Nimbus / Chariot / Spacewagon	85-91	24.11	20.33	28.35	8.01
Mitsubishi	Nimbus / Chariot	92-98	20.84	18.32	23.61	5.29
Mitsubishi	Nimbus	99-03	13.81	10.87	17.39	6.52
Mitsubishi	Starwagon / L300	83-86	28.51	26.82	30.26	3.44
Mitsubishi	Starwagon / Delica Starwagon	87-93	23.71	22.56	24.90	2.34
Mitsubishi	Starwagon / Delica Spacegear	95-03	20.47	18.89	22.15	3.26
Mitsubishi	Grandis	04-10	11.00	6.68	17.56	10.88
Kia	Carens	00-02	24.83	17.70	33.65	15.95
Kia	Carnival	99-06	13.32	11.80	15.00	3.20
Kia	Carnival	06-11	11.25	9.01	13.96	4.95
Mazda	MPV	94-99	13.90	10.97	17.46	6.49
Mazda	MPV	00-06	9.93	7.25	13.47	6.22
Nissan	Prairie	84-86	25.38	21.07	30.23	9.16
Nissan	Serena	92-95	16.90	11.83	23.56	11.74
Honda	Odyssey	95-00	15.45	13.02	18.25	5.23
Honda	Odyssey	00-02	13.37	10.30	17.19	6.89
Honda	Odyssey	04-09	13.38	11.17	15.95	4.77
Toyota	Tarago	83-89	25.39	24.18	26.64	2.46
Toyota	Tarago / Previa / Estima	91-99	15.63	14.55	16.78	2.22
Toyota	Tarago / Previa / Estima	00-06	13.62	12.08	15.31	3.24
Toyota	Spacia	93-00	19.50	15.27	24.55	9.28
Toyota	Avensis Verso	01-10	13.32	10.25	17.12	6.87
Toyota	Tarago	06-12	14.52	12.00	17.47	5.47
Small Cars			**20.72**	**20.35**	**21.09**	**0.74**
Alfa Romeo	33	83-92	21.87	18.59	25.54	6.95
Alfa Romeo	75	86-92	19.99	14.61	26.74	12.14
Alfa Romeo	GTV	82-84	17.46	11.49	25.64	14.15
Alfa Romeo	Sprint	82-88	24.84	17.42	34.12	16.70
Alfa Romeo	Alfasud	82-84	24.16	16.58	33.82	17.24
Alfa Romeo	147 / GT	01-10	15.48	12.01	19.73	7.72
Audi	A3	04-12	13.26	9.52	18.18	8.66

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Audi	A3/S3	97-04	17.43	14.48	20.85	6.37
BMW	1 Series E81 / E82 / E87 / E88	04-12	15.97	13.25	19.12	5.87
Chrysler	Neon	96-99	19.35	16.45	22.62	6.17
Chrysler	Neon	00-02	18.93	13.73	25.52	11.79
Citroen	BX	86-94	5.01	1.88	12.67	10.78
Citroen	C4	05-10	14.21	10.45	19.03	8.58
Citroen	Xsara	00-05	21.44	15.42	29.00	13.58
Daihatsu	Applause	89-99	23.90	22.54	25.32	2.78
Daewoo	1.5i	94-95	29.51	23.92	35.79	11.87
Daewoo	Cielo	95-97	24.93	23.72	26.18	2.46
Daewoo	Nubira	97-03	20.01	18.83	21.24	2.41
Daewoo	Lanos	97-03	22.83	21.83	23.85	2.02
Daewoo	Lacetti	03-04	20.09	15.75	25.26	9.51
Ford	Laser	91-94	22.92	22.28	23.58	1.30
Ford	Laser	95-97	21.45	20.43	22.50	2.07
Ford	Capri	89-94	27.47	25.44	29.59	4.15
Ford	Focus LR	02-05	18.76	17.29	20.33	3.04
Ford	Focus LS / LT	05-09	15.97	14.71	17.30	2.59
Ford	Focus LV	09-12	15.03	11.94	18.75	6.81
Fiat	Regata	84-88	18.41	13.50	24.61	11.11
Holden	Gemini	82-84	26.07	24.94	27.25	2.31
Holden	Gemini RB	86-87	29.17	26.61	31.87	5.26
Holden	Astra TR	96-98	19.50	17.61	21.54	3.93
Holden	Astra TS	98-06	18.27	17.67	18.88	1.21
Holden	Astra AH	04-09	17.47	16.36	18.63	2.27
Holden	Viva JF	05-09	18.62	16.90	20.46	3.56
Holden	Cruze JG / JH	09-12	16.30	14.22	18.62	4.39
Hyundai	Excel	86-90	27.52	25.98	29.11	3.13
Hyundai	Excel	90-94	25.94	25.10	26.80	1.69
Hyundai	Excel / Accent	95-00	25.16	24.66	25.66	1.00
Hyundai	Elantra	00-06	19.46	18.38	20.59	2.21
Hyundai	Accent	06-09	20.59	17.23	24.41	7.18
Hyundai	i30	07-12	15.36	13.47	17.45	3.98
Hyundai	S Coupe	90-96	26.09	23.91	28.38	4.47
Hyundai	Lantra	91-95	23.07	21.51	24.70	3.20
Hyundai	Lantra	96-00	20.37	19.37	21.40	2.03
Hyundai	Coupe	96-00	19.92	17.75	22.29	4.53
Hyundai	Accent	00-06	21.27	20.37	22.20	1.83
Mitsubishi	Lancer / Mirage CA	89-90	21.51	20.44	22.61	2.18
Mitsubishi	Lancer / Mirage CB	91-92	24.50	21.81	27.40	5.59
Mitsubishi	Lancer / Mirage CC	93-95	22.02	21.14	22.93	1.79
Mitsubishi	Lancer / Mirage CE	96-03	22.31	21.79	22.83	1.05
Mitsubishi	Cordia	83-87	26.06	23.83	28.41	4.58
Mitsubishi	Lancer CE / CG / Cedia	02-03	36.40	28.02	45.69	17.67
Mitsubishi	Lancer CH	03-07	18.28	17.26	19.34	2.07
Mitsubishi	Lancer CJ	08-12	15.77	14.05	17.65	3.59
Kia	Rio	00-05	21.67	20.41	22.99	2.58
Kia	Spectra	01-04	19.91	16.61	23.67	7.05
Kia	Cerato LD	04-08	19.82	17.49	22.37	4.88
Kia	Rio JB	05-11	19.87	18.12	21.74	3.63
Kia	Cerato TD	09-12	16.89	11.62	23.90	12.27
Ford / Mazda	Laser / 323 / Familia	82-88	26.60	26.13	27.08	0.95
Mazda	323 / Familia / Lantis	90-93	21.79	20.62	23.02	2.40

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Mazda	323 / Familia / Lantis	95-98	21.68	20.68	22.71	2.03
Ford / Mazda	Laser / 323	99-03	19.03	18.27	19.81	1.54
Mazda	MX5 / Eunos Roadster	89-97	22.86	19.27	26.88	7.61
Mazda	MX5 / Eunos Roadster	98-05	20.37	17.29	23.85	6.56
Mazda	Eunos 30X / Presso / MX-3 / Autozam AZ-3	90-97	19.66	16.80	22.87	6.08
Mazda	3 / Axela	03-09	16.25	15.53	16.99	1.46
Mazda	MX-5	05-12	18.95	13.66	25.68	12.02
Mazda	3 / Axela	09-12	16.41	14.25	18.82	4.57
Mercedes Benz	A-Class W168	98-04	19.57	16.38	23.20	6.82
Mercedes Benz	A-Class W169	05-09	17.92	12.26	25.43	13.17
Mercedes Benz	B-Class W245	05-12	9.01	5.60	14.20	8.60
Holden / Nissan	Astra / Pulsar / Langley	84-86	26.74	25.82	27.68	1.86
Holden / Nissan	Astra / Pulsar / Vector / Sentra	88-90	23.46	22.75	24.19	1.44
Nissan	Pulsar / Vector / Sentra	92-95	20.80	19.92	21.69	1.77
Nissan	Pulsar / Vector / Sentra	96-99	21.41	20.66	22.19	1.53
Nissan	Pulsar / Bluebird Sylphy	00-05	20.20	19.50	20.92	1.42
Nissan	Stanza	82-83	24.41	20.64	28.62	7.98
Nissan	Gazelle / Silvia	84-86	24.44	20.24	29.20	8.96
Nissan	Exa	83-86	31.29	27.08	35.84	8.76
Nissan	Exa	87-91	22.89	17.85	28.85	11.00
Nissan	NX/NX-R	91-96	23.55	20.98	26.34	5.36
Nissan	Tiida	06-12	20.11	17.48	23.03	5.54
Honda	Civic	82-83	25.17	21.96	28.68	6.71
Honda	Civic / Ballade / Shuttle	84-87	26.03	24.33	27.80	3.47
Honda	Civic / Shuttle	88-91	23.40	22.19	24.65	2.47
Honda	Civic	92-95	21.77	20.70	22.87	2.17
Honda	Civic	96-00	20.49	19.54	21.48	1.94
Honda	CRX	87-91	27.05	22.65	31.95	9.30
Honda	CRX	92-98	20.95	16.29	26.53	10.24
Honda	S2000	99-09	12.89	9.53	17.22	7.70
Honda	Civic	01-05	17.12	15.71	18.62	2.90
Honda	Civic	06-11	16.46	15.02	18.01	2.98
Honda	Integra	86-88	23.31	20.04	26.93	6.89
Honda	Integra	90-92	21.55	18.76	24.64	5.88
Honda	Integra	93-01	20.02	17.93	22.28	4.35
Honda	Integra	02-06	18.59	15.30	22.39	7.08
Honda	Concerto	89-93	21.32	18.24	24.75	6.52
Peugeot	308	08-12	16.65	12.20	22.30	10.10
Peugeot	306	94-01	18.58	16.66	20.66	4.00
Peugeot	307	01-09	13.85	11.98	15.94	3.96
Proton	Wira	95-96	21.93	20.08	23.90	3.82
Proton	Gen 2	04-12	22.55	17.43	28.65	11.22
Renault	Megane II	03-10	17.56	13.17	23.03	9.86
Renault	19	91-96	22.54	17.99	27.85	9.86
Renault	Scenic	01-04	19.54	15.62	24.16	8.55
Rover	Quintet	82-86	25.04	20.06	30.78	10.72
MG	MGF / MG TF	99-05	15.91	12.09	20.65	8.56
Subaru	Impreza	93-00	20.74	19.71	21.80	2.09
Subaru	Impreza	01-07	15.63	14.63	16.69	2.06
Subaru	Impreza	07-11	14.38	12.36	16.67	4.31
Suzuki	Baleno / Cultus Crescent	95-02	21.00	19.42	22.67	3.24
Suzuki	Liana	01-07	18.46	15.89	21.34	5.45

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Toyota	Corolla	82-84	25.87	24.97	26.79	1.82
Toyota	Corolla	86-88	24.08	23.43	24.75	1.32
Toyota / Holden	Corolla / Nova	89-93	22.47	21.99	22.96	0.96
Toyota / Holden	Corolla / Nova	94-97	21.08	20.55	21.62	1.08
Toyota	Corolla / Allex	98-01	18.77	18.02	19.54	1.52
Toyota	Corolla	02-07	18.15	17.60	18.71	1.11
Toyota	Corolla	07-12	16.36	15.42	17.34	1.92
Toyota	Tercel	83-88	24.14	20.57	28.11	7.55
Toyota	MR2	87-90	25.23	20.41	30.76	10.35
Toyota	MR2	91-00	23.93	18.44	30.44	11.99
Toyota	Paseo / Cynos	91-99	21.71	19.88	23.66	3.78
Toyota	MR2	00-05	22.22	16.47	29.29	12.82
Toyota	Corolla 4WD Wagon	92-96	17.82	15.06	20.96	5.90
Toyota	Prius II	03-09	12.97	10.72	15.61	4.89
Volvo	300 Series	84-88	18.01	12.77	24.79	12.02
Volvo	S40/V40	97-04	15.78	13.69	18.12	4.43
Volkswagen	Golf	82-94	23.23	18.14	29.22	11.08
Volkswagen	Golf	95-98	18.15	16.17	20.31	4.15
Volkswagen	Golf / Bora	99-04	17.73	16.37	19.17	2.80
Volkswagen	New Beetle	00-11	17.65	14.70	21.05	6.35
Volkswagen	Golf / Jetta	04-09	14.47	13.03	16.05	3.02
Light Cars			**23.45**	**23.02**	**23.88**	**0.86**
Mini	Mini Cooper	02-12	16.50	13.35	20.21	6.86
Citroen	C3	02-10	19.44	15.05	24.73	9.68
Daihatsu	Charade	82-86	31.10	29.09	33.19	4.10
Daihatsu	Charade	88-92	27.31	26.31	28.33	2.02
Daihatsu	Charade	93-00	25.82	24.85	26.82	1.97
Daihatsu	Pyzar	97-01	21.64	18.23	25.49	7.26
Daihatsu	Move	97-99	28.23	19.95	38.29	18.33
Daihatsu	Sirion / Storia	98-04	24.90	23.15	26.75	3.60
Daihatsu	Charade	03-05	35.30	27.73	43.69	15.96
Daihatsu	Mira	90-96	36.81	33.71	40.02	6.31
Daewoo	Matiz	99-04	31.25	28.74	33.86	5.12
Daewoo	Kalos	03-04	21.23	18.30	24.49	6.19
Ford	Festiva WD/WH/WF	94-01	26.67	26.01	27.34	1.33
Ford	Ka	99-02	23.51	20.49	26.81	6.32
Ford	Fiesta WP/WQ	04-08	18.66	15.56	22.22	6.66
Ford	Fiesta WS	09-12	18.81	15.79	22.26	6.46
Holden	Barina XC / Combo	01-12	20.09	18.95	21.28	2.33
Holden	Barina SB	95-00	24.87	23.98	25.78	1.79
Holden	Barina TK	05-11	20.07	18.74	21.47	2.73
Hyundai	Getz / TB	02-11	20.01	19.17	20.89	1.73
Mitsubishi	Mirage / Colt	82-88	27.18	26.36	28.01	1.64
Mitsubishi	Colt	04-11	20.19	17.49	23.18	5.70
Ford / Mazda	Festiva WA / 121	87-90	27.40	26.43	28.40	1.97
Mazda	121 / Autozam Review	94-96	25.83	24.59	27.11	2.52
Mazda	121 Metro / Demio	97-02	22.33	21.02	23.69	2.67
Mazda	2 / Demio	02-07	19.09	17.37	20.93	3.55
Mazda	2 / Demio	07-12	18.53	16.65	20.57	3.92
Nissan	Micra	95-97	25.58	23.10	28.22	5.12
Honda	Jazz / Fit	02-08	17.56	16.21	18.98	2.77

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Honda	Jazz GE / Fit	08-12	17.26	14.35	20.62	6.27
Honda	City	83-86	33.98	29.48	38.78	9.31
Honda	City	09-12	15.95	11.15	22.30	11.15
Peugeot	205	87-94	21.21	16.57	26.75	10.18
Peugeot	207	07-12	12.80	8.96	17.97	9.01
Peugeot	206	99-07	18.32	16.27	20.58	4.31
Proton	Satria	97-05	21.17	16.97	26.07	9.10
Proton	Savvy	06-11	18.13	12.27	25.98	13.71
Renault	Clio	01-08	21.17	17.02	26.02	9.00
Subaru	Sherpa / Fiori / 700 / Rex	89-92	40.14	36.87	43.51	6.64
Suzuki	Swift	82-85	30.53	24.80	36.94	12.14
Holden / Suzuki	Barina / Swift / Cultus	86-88	31.64	30.22	33.10	2.88
Holden / Suzuki	Barina / Swift / Cultus	89-99	26.54	25.90	27.19	1.28
Suzuki	Hatch / Alto	82-84	39.29	36.27	42.40	6.14
Suzuki	Alto	85-00	35.27	29.97	40.96	10.99
Suzuki	Ignis	00-02	26.16	23.26	29.28	6.02
Suzuki	Swift	05-10	19.58	18.38	20.84	2.46
Suzuki	Alto	09-12	28.35	21.69	36.11	14.42
Suzuki	Swift	11-12	27.13	20.17	35.42	15.26
Toyota	Starlet	96-99	24.12	23.05	25.22	2.17
Toyota	Echo	99-05	20.85	20.06	21.67	1.61
Toyota	Yaris / Vitz	05-11	19.10	18.12	20.12	2.00
Toyota	Yaris / Vitz	11-12	19.30	15.56	23.69	8.13
Volkswagen	Polo	96-00	22.80	19.88	26.02	6.14
Volkswagen	Polo	01-02	20.65	14.05	29.30	15.24
Volkswagen	Polo	02-10	18.76	15.73	22.21	6.48

APPENDIX 3

LOGISTIC REGRESSION ESTIMATES OF CRASHWORTHINESS INJURY SEVERITY BY MODEL AND MARKET GROUP

CRASHWORTHINESS INJURY SEVERITY RATINGS

New South Wales and Victoria Data (1987-2012), South Australia Data (1995-2012), Queensland Data (1991-2012), Western Australia and New Zealand Data (1991-2012)

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
ALL VEHICLE AVERAGE			**21.97**			
Small Sports Utility Vehicles			**21.24**	**19.98**	**22.55**	**2.57**
Daihatsu	Feroza / Rocky	89-97	23.97	18.92	29.89	10.97
Daihatsu	Rocky / Rugger	85-98	31.04	24.17	38.85	14.68
Daihatsu	Terios	97-05	21.42	17.36	26.12	8.76
Holden	Cruze	02-06	24.74	20.03	30.13	10.09
Hyundai	Tucson	04-10	25.57	18.06	34.86	16.80
Hyundai	ix35	10-12	24.53	10.66	46.97	36.30
Mitsubishi	Pajero iO	99-03	27.10	12.09	50.13	38.04
Mitsubishi	Outlander	03-06	22.29	15.76	30.54	14.78
Mitsubishi / Peugeot	Outlander / 4007	06-12	11.77	6.87	19.43	12.56
Kia	Sportage	98-03	19.77	15.02	25.56	10.53
Kia	Sportage KM	05-10	26.48	15.32	41.76	26.44
Nissan	X-Trail	01-07	19.12	16.38	22.19	5.82
Nissan	Dualis	07-12	22.17	12.10	37.07	24.97
Lada	Niva	84-99	23.40	15.43	33.84	18.41
Honda	HR-V	99-02	25.55	17.69	35.42	17.73
Land Rover	Freelander	98-06	30.34	20.33	42.63	22.30
Suzuki	Vitara / Escudo	88-98	26.49	23.67	29.51	5.84
Holden / Suzuki	Drover / Sierra / Samurai / SJ410 / SJ413	82-99	24.31	21.78	27.02	5.24
Suzuki	Jimny	98-10	21.25	15.69	28.12	12.43
Suzuki	SX4	07-12	23.39	14.09	36.25	22.16
Medium Sports Utility Vehicles			**19.93**	**18.91**	**21.00**	**2.09**
BMW	X3 E83	04-10	20.94	8.01	44.64	36.63
Daewoo / Ssangong	Musso	98-06	31.65	21.39	44.07	22.68
Holden / Isuzu	Jackaroo / Bighorn	82-91	18.38	14.20	23.46	9.26
Holden / Isuzu	Jackaroo / Bighorn	92-97	20.86	16.02	26.69	10.67
Holden / Isuzu	Jackaroo / Bighorn	98-02	23.41	18.19	29.59	11.39
Holden	Frontera / Mu	95-03	20.94	14.43	29.39	14.97
Holden	Adventra	03-06	18.34	11.01	28.97	17.96
Holden	Captiva CG	06-12	15.12	10.58	21.15	10.56
Hyundai	Santa Fe	00-06	20.30	13.69	29.03	15.35
Hyundai	Terracan	01-07	14.99	7.70	27.13	19.42
Hyundai	Santa Fe	06-12	9.43	2.28	31.68	29.40
Mitsubishi	Pajero	82-90	27.33	23.58	31.43	7.85
Mitsubishi	Pajero	92-99	24.31	21.22	27.70	6.47
Mitsubishi	Pajero NM / NP	00-06	22.89	18.17	28.42	10.25
Mitsubishi	Pajero NS / NT / NW	07-12	18.07	9.53	31.59	22.06
Mitsubishi	Challenger	98-06	25.77	19.50	33.23	13.73

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Jeep	Cherokee XJ	96-00	25.44	20.98	30.47	9.49
Jeep	Wrangler	96-04	23.94	16.76	32.99	16.23
Jeep	Cherokee KJ	01-07	17.93	11.43	27.01	15.58
Jeep	Wrangler	05-12	18.64	9.51	33.31	23.81
Land Rover	Defender	92-12	29.88	21.18	40.32	19.14
Ford / Mazda	Escape / Tribute	01-06	22.95	19.05	27.37	8.33
Mazda	CX-7	06-12	11.36	5.94	20.64	14.70
Ford / Mazda	Escape / Tribute	06-12 / 06-08	14.92	5.58	34.22	28.64
Nissan	Pathfinder / Terrano	88-94	23.24	18.70	28.51	9.81
Nissan	Pathfinder / Terrano / Regulus	95-05	18.30	14.24	23.19	8.95
Nissan	Murano	05-08	21.22	10.36	38.56	28.19
Nissan	Pathfinder	05-12	12.57	6.67	22.43	15.76
Honda	CR-V	97-01	20.95	17.67	24.65	6.98
Honda	CR-V	02-06	16.16	13.06	19.82	6.76
Honda	CR-V	07-12	24.89	18.08	33.23	15.15
Subaru	Tribeca	06-12	12.75	4.89	29.35	24.46
Subaru	Forester	08-12	16.63	10.29	25.76	15.47
Subaru	Forester	97-02	19.33	16.13	22.98	6.85
Subaru	Forester	02-08	19.48	16.08	23.39	7.31
Suzuki	Grand Vitara	99-05	20.59	16.06	26.01	9.94
Suzuki	Grand Vitara / Escudo	05-08	16.55	10.57	24.98	14.40
Suzuki	Grand Vitara JT	08-12	7.10	1.75	24.66	22.90
Toyota	RAV4	94-00	23.45	20.57	26.59	6.03
Toyota	RAV4	01-06	20.58	17.67	23.82	6.14
Lexus	RX330	03-05	27.51	14.98	44.96	29.97
Toyota	RAV4	06-12	19.97	15.95	24.70	8.76
Large Sports Utility Vehicles			**21.51**	**20.48**	**22.58**	**2.10**
BMW	X5	01-06	17.39	8.77	31.56	22.79
BMW	X5 E70	07-12	14.22	5.10	33.83	28.72
Ford	Bronco	82-87	39.36	22.99	58.53	35.53
Ford	Explorer	00-01	24.12	17.77	31.86	14.09
Ford	Explorer	01-05	18.79	12.18	27.86	15.68
Ford	Territory SX/SY	04-10	16.81	13.21	21.15	7.93
Jeep	Grand Cherokee ZG	96-99	23.04	14.74	34.14	19.40
Jeep	Grand Cherokee WG	99-05	18.39	11.23	28.65	17.42
Kia	Sorento	03-09	25.93	17.35	36.86	19.51
Land Rover	Discovery	91-02	21.70	17.34	26.80	9.46
Land Rover	Discovery	02-04	15.66	6.68	32.49	25.81
Mazda	CX-9	07-12	9.23	2.28	30.72	28.44
Mercedes Benz	M-Class W163	98-05	21.30	13.11	32.68	19.56
Mercedes Benz	M / GL -Class W164 / X164	05-11	7.14	1.68	25.68	24.00
Nissan	Patrol / Safari	82-87	26.33	21.17	32.24	11.07
Nissan / Ford	Patrol / Maverick / Safari	88-97	23.81	21.52	26.27	4.74
Nissan	Patrol / Safari	98-12	23.32	20.69	26.18	5.49
Nissan	Patrol	12-12	17.77	8.13	34.55	26.42
Land Rover	Range Rover	82-94	22.09	16.84	28.43	11.59
Land Rover	Range Rover	95-02	16.14	9.04	27.15	18.11
Toyota	Landcruiser	82-89	29.03	26.70	31.47	4.77
Toyota	Landcruiser	90-97	25.33	23.52	27.23	3.71
Toyota	Landcruiser	98-07	22.16	20.21	24.25	4.04
Toyota	Kluger / Highlander	03-07	22.62	16.86	29.64	12.77

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Toyota	Landcruiser Prado	96-03	22.42	18.22	27.28	9.06
Toyota	Landcruiser Prado	03-09	18.62	15.48	22.24	6.76
Lexus	RX270/350/400h/450h	06-12	18.08	7.30	38.22	30.92
Toyota	Kluger / Highlander	07-12	13.38	8.06	21.42	13.36
Toyota	Landcruiser 200 Series	07-12	16.82	9.76	27.43	17.67
Toyota	Landcruiser Prado	09-12	16.21	4.87	42.20	37.33
Volvo	XC90	03-12	23.05	10.60	43.08	32.48
Volkswagen	Touareg	03-10	22.01	9.23	43.94	34.71
Commercial - Utes			**21.71**	**20.82**	**22.63**	**1.81**
Ford / Nissan	Falcon Ute / XFN Ute	82-95	26.44	24.31	28.69	4.38
Ford	Falcon Ute	96-99	22.54	19.08	26.41	7.33
Ford	Falcon Ute AU	00-02	20.56	17.57	23.91	6.34
Ford	Falcon Ute BA/BF	03-08	21.05	18.08	24.37	6.28
Ford	Falcon Ute FG	08-12	21.43	10.71	38.30	27.60
Ford	Ford F-Series	82-92	21.98	15.66	29.94	14.28
Ford	F-Series	01-06	32.04	19.81	47.36	27.56
Holden	Commodore Ute VG/VP	90-93	28.73	24.21	33.72	9.52
Holden / Isuzu	Rodeo / Pickup	82-85	25.67	19.13	33.52	14.39
Holden / Isuzu	Rodeo / Pickup	86-88	16.04	9.41	26.00	16.59
Holden / Isuzu	Rodeo / Pickup	89-95	26.02	23.66	28.54	4.87
Holden	Rodeo	96-98	21.68	18.66	25.04	6.38
Holden	Rodeo	99-02	24.23	21.25	27.47	6.22
Holden	WB Series	82-85	33.79	28.34	39.70	11.36
Holden	Commodore Ute VR/VS	94-00	27.13	24.99	29.38	4.39
Holden	Commodore VU Ute	00-02	23.83	20.31	27.74	7.42
Holden	Commodore VY/VZ Ute	02-07	20.86	18.64	23.28	4.63
Holden	Rodeo	03-08	20.36	17.94	23.03	5.09
Holden	Commodore VE Ute	07-12	18.06	12.70	25.03	12.33
Holden	Colorado RC / RG	08-12	16.93	11.05	25.07	14.02
Mitsubishi	Triton MK	96-06	21.09	17.08	25.75	8.67
Mitsubishi	Triton ML / MN	06-12	17.03	13.43	21.37	7.95
Kia	Ceres	92-00	29.18	24.11	34.82	10.71
Kia	K2700	02-08	35.07	20.01	53.83	33.82
Ford / Mazda	Courier / B-Series / Bounty	98-02	22.70	19.24	26.59	7.34
Ford / Mazda	Courier / Bravo / Bounty	03-06	20.80	17.29	24.82	7.53
Ford / Mazda	Ranger / BT-50	06-11	17.61	14.66	21.02	6.37
Nissan	720 Ute	82-85	25.24	20.77	30.32	9.55
Nissan	Navara	86-91	25.95	22.98	29.16	6.17
Nissan	Navara	92-96	24.95	21.04	29.31	8.28
Nissan	Navara	97-05	23.93	20.76	27.42	6.66
Nissan	Navara	05-12	19.70	15.57	24.60	9.03
Proton	Jumbuck	03-10	17.96	9.30	31.87	22.57
Subaru	Brumby	82-92	32.38	28.18	36.88	8.70
Suzuki	Mighty Boy	85-88	29.00	22.30	36.77	14.47
Toyota	4Runner/Hilux	82-85	26.87	24.34	29.55	5.20
Toyota	4Runner/Hilux	86-88	26.75	24.23	29.43	5.20
Toyota	4Runner/Hilux	89-97	25.65	24.32	27.03	2.71
Toyota	Hilux	98-02	21.55	19.52	23.73	4.21
Toyota	Hilux	03-04	21.25	17.99	24.93	6.94
Toyota	Hilux	05-12	18.94	16.62	21.51	4.89

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Commercial - Vans			**21.50**	**20.34**	**22.71**	**2.37**
Daihatsu	Handivan	82-90	27.35	22.00	33.44	11.43
Daihatsu	Hi-Jet	82-90	31.89	22.30	43.30	21.00
Daihatsu	Handivan / Cuore	99-03	28.48	19.40	39.72	20.32
Ford	Falcon Panel Van	82-95	22.47	18.91	26.49	7.58
Ford	Falcon Panel Van	96-99	18.35	11.23	28.54	17.31
Ford	Transit	95-00	24.53	18.48	31.80	13.32
Ford	Transit	01-07	13.89	9.60	19.67	10.06
Fiat	Ducato	02-07	17.66	7.49	36.22	28.72
Holden	Shuttle / WFR Van	82-87	30.33	21.69	40.62	18.93
Hyundai	iLoad	08-12	18.28	9.87	31.36	21.49
Mitsubishi	Express	94-12	24.95	18.81	32.28	13.47
Kia	Pregio	02-06	21.90	15.77	29.59	13.83
Mercedes Benz	MB100 / MB140	99-04	19.36	10.74	32.40	21.65
Mercedes Benz	Vito	99-04	19.60	11.87	30.60	18.72
Mercedes Benz	Sprinter	98-06	14.94	9.70	22.32	12.62
Mercedes Benz	Sprinter	06-12	10.21	2.52	33.36	30.84
Mercedes Benz	Vito / Viano / Valente	04-12	18.76	9.23	34.39	25.15
Honda	Acty	83-86	25.94	16.24	38.74	22.49
Holden / Suzuki	Scurry / Carry	82-00	31.20	24.50	38.79	14.29
Suzuki	Carry	99-05	24.99	12.33	44.11	31.79
Toyota	Hiace/Liteace	82-86	28.01	25.24	30.97	5.74
Toyota	Hiace/Liteace	87-89	25.79	22.57	29.29	6.72
Toyota	Hiace/Liteace	90-95	27.27	24.52	30.20	5.68
Toyota	Hiace/Liteace	96-04	22.78	20.31	25.46	5.16
Toyota	Hiace	05-12	20.67	16.24	25.93	9.69
Volkswagen	Caravelle / Transporter	88-94	21.92	10.61	39.92	29.31
Volkswagen	Caravelle / Transporter	95-04	14.21	9.20	21.33	12.13
Volkswagen	Caddy	05-12	18.35	10.40	30.33	19.93
Large Cars			**21.51**	**20.71**	**22.34**	**1.63**
Audi	A8	95-03	16.87	6.41	37.52	31.11
BMW	5 Series E60 / E61	03-10	13.17	5.86	26.95	21.09
BMW	5 Series E28	82-88	25.27	18.24	33.90	15.66
BMW	5 Series E34	89-95	21.42	16.00	28.05	12.05
BMW	5 Series E39	96-03	20.43	14.78	27.53	12.75
BMW	7 Series E23	82-86	27.21	13.50	47.23	33.73
BMW	7 Series E32	87-94	28.87	19.16	41.01	21.85
BMW	7 Series E38	95-01	18.46	8.95	34.26	25.30
Chrysler	300C	06-11	18.12	7.59	37.36	29.78
Ford	Falcon XE/XF	82-88	26.66	25.66	27.69	2.02
Ford	Fairlane Z & LTD F	82-87	26.23	23.61	29.04	5.43
Ford	Falcon EA / Falcon EB Series I	88-Mar 92	25.37	24.32	26.46	2.15
Ford	Falcon EB Series II / Falcon ED	Apr 92-94	25.45	24.00	26.97	2.97
Ford	Fairlane N & LTD D	88-94	24.64	21.91	27.57	5.66
Ford	Fairlane N & LTD D	95-98	24.18	20.22	28.63	8.41
Ford	Fairlane & LTD AU	99-02	20.93	15.84	27.13	11.29
Ford	Fairlane & LTD BA/BF	03-07	22.05	14.66	31.78	17.13

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Ford	Falcon FG	08-12	15.47	11.77	20.07	8.30
Ford	Falcon EF/EL	94-98	22.90	21.96	23.88	1.92
Ford	Falcon AU	98-02	21.97	20.79	23.20	2.41
Ford	Taurus	96-98	25.06	18.26	33.37	15.11
Ford	Falcon BA/BF	02-08	19.93	18.67	21.26	2.59
Holden / Toyota	Commodore VN/VP / Lexcen	89-93	26.97	26.05	27.91	1.86
Holden	Statesman/Caprice WB	82-85	43.54	29.39	58.83	29.44
Holden	Stateman/Caprice VQ	90-93	31.01	23.50	39.67	16.17
Holden	Stateman/Caprice VR/VS	94-98	23.90	21.12	26.91	5.79
Holden / Toyota	Commodore VR/VS / Lexcen	93-97	24.69	23.79	25.62	1.84
Holden	Commodore VT/VX	97-02	21.57	20.67	22.49	1.82
Holden	Statesman/Caprice WH	99-03	21.41	17.03	26.56	9.53
Holden	Commodore VY/VZ	02-07	19.00	17.72	20.36	2.64
Holden	Monaro	01-05	22.32	17.03	28.69	11.66
Holden	Statesman/Caprice WK/WL	03-06	19.90	13.66	28.06	14.39
Holden	Commodore VB-VL	82-88	27.78	26.77	28.82	2.05
Holden	Commodore VE	06-12	18.05	16.19	20.08	3.89
Holden	Statesman/Caprice WM	06-12	17.61	8.35	33.39	25.03
Hyundai	Sonata	89-97	21.99	19.12	25.16	6.04
Hyundai	Grandeaur / XG	99-00	14.38	7.62	25.49	17.87
Mitsubishi	Magna TM/TN/TP / Sigma / V3000	85-90	26.58	25.27	27.94	2.67
Mitsubishi	Magna TE/TF/TH/TJ / Verada KE/KF/KH/KJ / Diamante	96-03	23.21	21.79	24.69	2.91
Mitsubishi	Magna TR/TS / Verada KR/KS / V3000 / Diamante	91-96	23.63	22.35	24.96	2.61
Mitsubishi	Magna TL/TW / Verada KL/KW	03-05	19.40	15.91	23.45	7.54
Mitsubishi	380	05-08	16.47	12.09	22.05	9.97
Jaguar	XJ6	82-86	32.16	20.27	46.91	26.64
Jaguar	XJ6	87-94	16.48	9.47	27.13	17.66
Jaguar	S-Type	99-08	17.77	8.10	34.65	26.55
Kia	Optima	01-06	12.82	4.84	29.83	24.99
Mazda	929 / Luce	82-90	26.12	22.99	29.51	6.52
Mazda	929 / Sentia / Efini MS-9	92-96	25.79	15.44	39.80	24.36
Mercedes Benz	E-Class W123	82-85	24.85	14.61	38.98	24.37
Mercedes Benz	E-Class W124	86-94	20.18	15.27	26.17	10.90
Mercedes Benz	E-Class W210	96-02	18.65	12.75	26.46	13.72
Mercedes Benz	S-Class W126	82-92	22.67	16.24	30.72	14.48
Mercedes Benz	S-Class C140	93-98	32.98	16.46	55.14	38.68
Mercedes Benz	S-Class W220	99-06	17.59	6.34	40.22	33.87
Mercedes Benz	E-Class W211	02-09	18.08	9.69	31.22	21.53
Nissan	Skyline	83-88	26.51	24.35	28.79	4.44
Nissan	300ZX / Fairlady Z	90-95	23.62	17.42	31.19	13.77
Nissan	Maxima	90-94	24.46	20.33	29.12	8.80
Nissan	Maxima / Cefiro	95-99	24.36	20.61	28.55	7.95
Nissan	Maxima	00-02	21.49	16.14	28.01	11.87
Nissan	Maxima	06-09	19.90	14.02	27.45	13.43
Honda	Legend	86-95	24.33	18.52	31.27	12.75
Rover	3500	82-87	12.16	4.63	28.31	23.68
Saab	9-5	98-05	14.80	6.81	29.25	22.45
Toyota	Crown / Cressida / Mark II	82-85	26.52	22.65	30.79	8.14
Toyota	Crown / Cressida / Mark II	86-88	32.02	24.61	40.48	15.87
Toyota	Cressida / Mark II	89-93	22.72	18.68	27.33	8.65

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Toyota	Supra	82-90	31.29	23.73	39.99	16.27
Lexus	ES300 / Windom	92-01	23.28	17.38	30.46	13.08
Lexus	LS400 / Celsior	90-00	16.10	8.00	29.76	21.77
Toyota	Avalon	00-05	21.02	18.02	24.36	6.34
Toyota	Aurion	06-12	16.10	12.25	20.88	8.63
Volvo	850/S70/V70/C70	92-99	21.48	17.15	26.56	9.41
Volvo	700/900 Series	84-92	19.09	14.98	24.01	9.03
Volvo	960/S90/V90	90-98	15.91	6.52	33.92	27.40
Volvo	S80	98-06	19.73	6.54	46.34	39.80
Volvo	V70 / XC70	00-07	14.12	5.82	30.44	24.62
Medium Cars			**21.02**	**20.20**	**21.85**	**1.65**
Alfa Romeo	164	89-92	31.25	15.27	53.41	38.14
Alfa Romeo	156	99-06	22.88	14.84	33.57	18.73
Audi	A4 / S4 B8 / AllRoad	08-12	9.17	2.27	30.44	28.16
Audi	A4	95-01	23.44	17.51	30.63	13.12
Audi	TT	99-06	17.05	6.98	36.03	29.05
Audi	A4	01-08	14.45	8.85	22.71	13.87
BMW	Z3 E36	97-03	25.20	14.80	39.52	24.72
BMW	3 Series E90 /E91 /E92 /E93	05-12	15.23	10.38	21.79	11.42
BMW	3 Series E30	82-91	24.20	21.16	27.52	6.36
BMW	3 Series E36	92-98	20.23	17.95	22.73	4.78
BMW	3 Series E46	99-06	19.06	16.14	22.36	6.22
Chrysler	PT Cruiser	00-10	10.13	4.23	22.34	18.12
Citroen	C5	01-08	19.97	8.90	38.91	30.01
Daewoo	Espero	95-97	27.96	22.18	34.59	12.41
Daewoo	Leganza	97-02	22.73	17.18	29.43	12.25
Daewoo	Tacuma	00-04	39.44	23.99	57.34	33.35
Ford	Mondeo	95-01	19.30	16.42	22.56	6.15
Ford	Mondeo	07-12	16.47	9.48	27.09	17.62
Ford	Probe	94-98	25.57	16.68	37.10	20.42
Ford	Cougar	99-03	18.09	13.24	24.22	10.98
Holden	Calibra	94-97	23.71	16.40	32.99	16.59
Holden	Camira	82-89	25.68	24.19	27.22	3.03
Holden	Vectra	97-03	19.07	16.55	21.86	5.31
Holden	Vectra ZC	03-05	15.35	10.29	22.27	11.99
Hyundai	Sonata	98-01	22.12	16.72	28.67	11.95
Hyundai	Sonata EF	02-05	14.26	7.69	24.91	17.22
Hyundai	Tiburon	02-10	16.10	6.80	33.55	26.75
Hyundai	Sonata NF	05-10	17.77	10.03	29.51	19.48
Mitsubishi	Sigma / Galant / Sapporo / Lambda	82-84	25.65	23.96	27.42	3.46
Mitsubishi	Starion	82-87	42.34	30.40	55.25	24.85
Mitsubishi	Galant	95-96	23.58	20.13	27.41	7.29
Jaguar	X-Type	02-10	14.60	6.58	29.33	22.76
Kia	Credos	98-01	30.17	14.40	52.60	38.20
Ford / Mazda	Telstar / 626 / MX6 / Capella	83-86	24.58	22.94	26.30	3.36
Ford / Mazda	Telstar / 626 / MX6 / Capella	88-91	25.09	23.21	27.08	3.87
Ford / Mazda	Telstar / 626 / MX6 / Capella / Cronos	92-97	25.53	23.41	27.78	4.37
Mazda	626	98-02	20.72	17.48	24.38	6.90
Mazda	RX7	82-85	26.01	19.45	33.86	14.41

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Mazda	RX7	86-91	26.71	19.27	35.76	16.50
Mazda	Eunos 500	93-99	16.74	9.96	26.77	16.81
Mazda	Eunos 800	94-00	23.02	10.35	43.66	33.31
Mazda	6 / Atenza	02-07	15.88	13.30	18.86	5.56
Mazda	RX-8	03-11	6.04	1.92	17.42	15.51
Mazda	6 / Atenza	08-11	15.91	9.70	24.98	15.28
Mercedes Benz	C-Class W201	87-93	26.94	20.79	34.13	13.34
Mercedes Benz	C-Class W202	95-00	20.86	16.20	26.43	10.23
Mercedes Benz	CLK C208	97-03	30.93	18.74	46.51	27.77
Mercedes Benz	SLK R170	97-04	14.01	5.32	32.07	26.75
Mercedes Benz	C-Class W203	00-07	19.96	14.74	26.46	11.73
Mercedes Benz	CLK C209	03-09	14.23	6.39	28.74	22.36
Mercedes Benz	C-Class W204 / C204	07-12	19.22	11.26	30.86	19.60
Nissan	Pintara	86-88	25.96	23.32	28.78	5.46
Nissan / Ford	Pintara / Corsair / Bluebird	89-92	26.37	24.54	28.30	3.76
Nissan	Bluebird	82-86	27.97	26.25	29.76	3.51
Nissan	280ZX	82-84	32.14	16.69	52.82	36.13
Nissan	Bluebird	93-97	23.67	20.79	26.81	6.02
Nissan	200SX / Silvia	94-02	24.68	19.70	30.44	10.74
Nissan	350Z / Fairlady	03-09	23.24	14.48	35.12	20.63
Honda	Accord Euro	03-08	17.69	13.96	22.16	8.20
Honda	Accord	03-07	15.22	11.11	20.50	9.39
Honda	Accord	82-85	26.69	23.93	29.65	5.72
Honda	Accord	86-90	24.30	21.57	27.27	5.70
Honda	Accord	91-93	26.24	22.22	30.69	8.47
Honda	Accord	94-98	23.90	21.08	26.97	5.89
Honda	Accord	99-02	17.42	13.04	22.88	9.83
Honda	Accord	08-12	25.38	15.89	37.98	22.09
Honda	Accord Euro	08-12	14.47	7.27	26.75	19.47
Honda	Prelude	82-82	20.83	9.76	39.02	29.26
Honda	Prelude	83-91	26.70	24.28	29.27	4.99
Honda	Prelude	92-96	26.26	22.17	30.81	8.63
Honda	Prelude	97-02	16.21	11.32	22.67	11.35
Peugeot	407	04-11	14.03	5.67	30.69	25.02
Peugeot	405	89-97	24.58	18.50	31.86	13.36
Peugeot	505	82-93	23.18	16.46	31.60	15.15
Peugeot	406	96-04	24.59	15.34	36.99	21.65
Porsche	944	82-91	39.33	20.32	62.24	41.92
Renault	Feugo	82-87	23.82	14.91	35.81	20.91
Rover	75	01-05	19.24	8.51	37.89	29.38
Saab	900 Series	82-92	24.62	19.05	31.18	12.12
Saab	900/9-3	94-02	17.96	13.40	23.65	10.25
Saab	9000	86-97	15.41	10.64	21.79	11.15
Saab	9-3	03-11	18.26	10.45	29.96	19.52
Subaru	1800 / Leone / Omega / 4WD Wagon	82-93	25.43	23.31	27.67	4.36
Subaru	Liberty / Legacy	89-93	23.61	21.55	25.79	4.24
Subaru	Liberty / Legacy / Outback	94-98	22.29	19.81	24.98	5.17
Subaru	Liberty / Legacy / Outback	99-03	20.13	17.31	23.28	5.97
Subaru	Liberty / Legacy / Outback	03-09	22.72	18.75	27.26	8.51
Toyota	Corona	82-88	26.34	24.82	27.92	3.10
Toyota	Camry	83-86	26.91	23.52	30.59	7.06
Holden / Toyota	Apollo JK/JL / Camry / Vista	88-92	24.72	23.55	25.92	2.37

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Holden / Toyota	Apollo JM/JP / Camry / Sceptor	93-97	25.44	24.12	26.81	2.68
Toyota	Camry	98-02	22.06	20.57	23.63	3.06
Toyota	Celica	81-85	22.89	19.50	26.69	7.19
Toyota	Celica	86-89	26.46	22.28	31.11	8.84
Toyota	Celica	90-93	26.20	22.55	30.20	7.65
Toyota	Celica	94-99	20.53	16.60	25.11	8.51
Toyota	Celica	00-05	21.24	14.19	30.55	16.36
Lexus	IS200 / IS300	99-04	10.77	5.81	19.08	13.27
Toyota	Camry	02-06	18.41	16.60	20.36	3.76
Lexus	IS350 / IS250 / IS F	05-12	17.65	9.35	30.81	21.46
Toyota	Camry	06-11	18.20	15.26	21.55	6.29
Volvo	200 Series	82-93	25.41	21.28	30.04	8.76
Volvo	S60	01-09	14.12	5.39	32.21	26.82
Volvo	S40/V50	04-12	3.99	0.56	23.50	22.94
Volkswagen	Passat	98-06	17.51	11.26	26.19	14.94
Volkswagen	Passat	06-12	14.07	6.37	28.28	21.91
People Movers			**22.06**	**20.84**	**23.34**	**2.51**
Chrysler	Voyager	97-01	18.31	10.61	29.74	19.13
Chrysler	Grand Voyager RG	01-07	8.28	1.97	28.85	26.88
Holden	Zafira TT	01-05	18.14	10.69	29.09	18.39
Hyundai	Trajet	00-07	26.55	10.50	52.67	42.17
Mitsubishi	Nimbus / Chariot / Spacewagon	85-91	22.69	17.28	29.20	11.92
Mitsubishi	Nimbus / Chariot	92-98	23.98	18.91	29.90	10.99
Mitsubishi	Nimbus	99-03	22.74	13.65	35.39	21.75
Mitsubishi	Starwagon / L300	83-86	31.71	28.24	35.40	7.15
Mitsubishi	Starwagon / Delica Starwagon	87-93	26.35	23.82	29.05	5.24
Mitsubishi	Starwagon / Delica Spacegear	95-03	24.33	20.21	28.99	8.78
Mitsubishi	Grandis	04-10	25.27	11.22	47.49	36.27
Kia	Carens	00-02	28.72	12.34	53.57	41.23
Kia	Carnival	99-06	21.38	16.28	27.55	11.27
Kia	Carnival	06-11	14.76	8.20	25.15	16.95
Mazda	MPV	94-99	16.40	7.88	31.02	23.14
Mazda	MPV	00-06	24.53	10.77	46.67	35.89
Nissan	Prairie	84-86	22.94	16.90	30.34	13.45
Nissan	Serena	92-95	20.22	14.32	27.77	13.45
Honda	Odyssey	95-00	19.48	15.05	24.83	9.78
Honda	Odyssey	00-02	27.97	16.32	43.59	27.27
Honda	Odyssey	04-09	13.41	7.30	23.37	16.07
Toyota	Tarago	83-89	28.47	25.59	31.55	5.96
Toyota	Tarago / Previa / Estima	91-99	23.51	19.85	27.63	7.78
Toyota	Tarago / Previa / Estima	00-06	20.65	15.19	27.43	12.25
Toyota	Spacia	93-00	21.51	11.83	35.89	24.05
Toyota	Avensis Verso	01-10	29.83	16.88	47.08	30.20
Toyota	Tarago	06-12	17.73	9.86	29.81	19.95
Small Cars			**21.65**	**20.84**	**22.49**	**1.65**
Alfa Romeo	33	83-92	26.42	19.25	35.10	15.84
Alfa Romeo	75	86-92	18.80	7.34	40.35	33.01

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Alfa Romeo	GTV	82-84	48.77	28.95	68.98	40.03
Alfa Romeo	Sprint	82-88	23.00	10.83	42.35	31.53
Alfa Romeo	Alfasud	82-84	32.48	15.60	55.58	39.98
Alfa Romeo	147 / GT	01-10	17.68	9.05	31.67	22.62
Audi	A3	04-12	17.12	7.88	33.29	25.41
Audi	A3/S3	97-04	14.92	8.47	24.94	16.47
BMW	1 Series E81 / E82 / E87 / E88	04-12	18.28	11.40	28.01	16.61
Chrysler	Neon	96-99	26.24	18.52	35.76	17.24
Chrysler	Neon	00-02	28.15	14.72	47.08	32.36
Citroen	BX	86-94	21.43	10.37	39.14	28.76
Citroen	C4	05-10	26.86	12.50	48.56	36.07
Citroen	Xsara	00-05	14.51	4.82	36.24	31.42
Daihatsu	Applause	89-99	24.88	21.54	28.55	7.01
Daewoo	1.5i	94-95	25.76	13.79	42.96	29.17
Daewoo	Cielo	95-97	22.97	20.39	25.76	5.37
Daewoo	Nubira	97-03	21.88	18.97	25.09	6.12
Daewoo	Lanos	97-03	25.92	23.52	28.47	4.95
Daewoo	Lacetti	03-04	17.97	9.46	31.48	22.02
Ford	Laser	91-94	24.84	23.40	26.34	2.94
Ford	Laser	95-97	24.88	22.42	27.51	5.08
Ford	Capri	89-94	25.56	21.40	30.22	8.83
Ford	Focus LR	02-05	18.68	15.50	22.35	6.85
Ford	Focus LS / LT	05-09	20.33	16.99	24.15	7.16
Ford	Focus LV	09-12	16.85	9.60	27.88	18.27
Fiat	Regata	84-88	31.53	16.88	51.08	34.20
Holden	Gemini	82-84	26.06	23.81	28.44	4.63
Holden	Gemini RB	86-87	24.19	19.64	29.40	9.76
Holden	Astra TR	96-98	21.41	17.17	26.37	9.20
Holden	Astra TS	98-06	19.06	17.51	20.72	3.21
Holden	Astra AH	04-09	18.36	15.39	21.74	6.35
Holden	Viva JF	05-09	21.11	16.88	26.07	9.20
Holden	Cruze JG / JH	09-12	12.96	8.79	18.71	9.93
Hyundai	Excel	86-90	28.64	25.70	31.78	6.08
Hyundai	Excel	90-94	27.32	25.40	29.32	3.92
Hyundai	Excel / Accent	95-00	25.32	24.14	26.53	2.39
Hyundai	Elantra	00-06	22.98	19.94	26.33	6.39
Hyundai	Accent	06-09	16.00	9.62	25.43	15.82
Hyundai	i30	07-12	20.34	15.62	26.05	10.43
Hyundai	S Coupe	90-96	26.91	22.00	32.48	10.48
Hyundai	Lantra	91-95	26.76	22.73	31.21	8.48
Hyundai	Lantra	96-00	26.36	23.65	29.27	5.62
Hyundai	Coupe	96-00	27.32	21.14	34.52	13.38
Hyundai	Accent	00-06	25.22	22.80	27.81	5.00
Mitsubishi	Lancer / Mirage CA	89-90	25.21	22.88	27.69	4.81
Mitsubishi	Lancer / Mirage CB	91-92	26.53	21.82	31.84	10.02
Mitsubishi	Lancer / Mirage CC	93-95	25.06	23.02	27.23	4.21
Mitsubishi	Lancer / Mirage CE	96-03	23.42	22.09	24.80	2.71
Mitsubishi	Cordia	83-87	28.75	25.09	32.72	7.63
Mitsubishi	Lancer CE / CG / Cedia	02-03	28.59	16.03	45.63	29.60
Mitsubishi	Lancer CH	03-07	23.00	20.08	26.19	6.11
Mitsubishi	Lancer CJ	08-12	20.51	15.66	26.40	10.74
Kia	Rio	00-05	23.64	20.70	26.86	6.16
Kia	Spectra	01-04	26.43	18.00	37.03	19.04

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Kia	Cerato LD	04-08	19.95	14.82	26.29	11.47
Kia	Rio JB	05-11	24.54	20.43	29.18	8.75
Kia	Cerato TD	09-12	26.50	10.83	51.71	40.88
Ford / Mazda	Laser / 323 / Familia	82-88	26.47	25.54	27.42	1.88
Mazda	323 / Familia / Lantis	90-93	24.98	22.95	27.14	4.19
Mazda	323 / Familia / Lantis	95-98	24.30	21.97	26.79	4.82
Ford / Mazda	Laser / 323	99-03	20.25	18.35	22.29	3.93
Mazda	MX5 / Eunos Roadster	89-97	23.59	16.00	33.34	17.34
Mazda	MX5 / Eunos Roadster	98-05	19.32	12.41	28.82	16.41
Mazda	Eunos 30X / Presso / MX-3 / Autozam AZ-3	90-97	24.32	17.08	33.39	16.31
Mazda	3 / Axela	03-09	18.98	17.00	21.13	4.13
Mazda	MX-5	05-12	22.93	10.80	42.24	31.44
Mazda	3 / Axela	09-12	18.25	13.83	23.70	9.87
Mercedes Benz	A-Class W168	98-04	23.07	14.42	34.79	20.37
Mercedes Benz	A-Class W169	05-09	20.87	8.42	43.07	34.65
Mercedes Benz	B-Class W245	05-12	30.38	14.16	53.58	39.41
Holden / Nissan	Astra / Pulsar / Langley	84-86	27.97	26.16	29.85	3.69
Holden / Nissan	Astra / Pulsar / Vector / Sentra	88-90	27.27	25.66	28.94	3.29
Nissan	Pulsar / Vector / Sentra	92-95	23.06	21.19	25.05	3.86
Nissan	Pulsar / Vector / Sentra	96-99	23.46	21.69	25.33	3.64
Nissan	Pulsar / Bluebird Sylphy	00-05	22.70	20.91	24.60	3.69
Nissan	Stanza	82-83	22.35	15.01	31.93	16.92
Nissan	Gazelle / Silvia	84-86	30.62	26.74	34.81	8.07
Nissan	Exa	83-86	29.79	22.38	38.44	16.07
Nissan	Exa	87-91	31.65	21.18	44.38	23.21
Nissan	NX/NX-R	91-96	32.59	26.44	39.41	12.97
Nissan	Tiida	06-12	22.35	16.77	29.14	12.37
Honda	Civic	82-83	27.36	23.31	31.82	8.51
Honda	Civic / Ballade / Shuttle	84-87	29.33	26.66	32.15	5.49
Honda	Civic / Shuttle	88-91	24.91	22.78	27.17	4.38
Honda	Civic	92-95	23.48	21.22	25.91	4.69
Honda	Civic	96-00	22.37	20.01	24.92	4.91
Honda	CRX	87-91	30.65	25.61	36.20	10.59
Honda	CRX	92-98	25.41	16.79	36.51	19.72
Honda	S2000	99-09	15.94	7.02	32.27	25.25
Honda	Civic	01-05	20.56	16.91	24.77	7.86
Honda	Civic	06-11	16.68	13.15	20.94	7.80
Honda	Integra	86-88	27.28	22.76	32.33	9.57
Honda	Integra	90-92	25.25	20.81	30.28	9.46
Honda	Integra	93-01	23.21	19.23	27.73	8.50
Honda	Integra	02-06	20.14	11.85	32.11	20.25
Honda	Concerto	89-93	24.37	19.39	30.15	10.76
Peugeot	308	08-12	18.61	9.37	33.57	24.20
Peugeot	306	94-01	18.30	14.41	22.96	8.55
Peugeot	307	01-09	12.11	7.95	18.03	10.08
Proton	Wira	95-96	26.21	21.58	31.43	9.85
Proton	Gen 2	04-12	29.34	18.14	43.77	25.64
Renault	Megane II	03-10	23.21	11.47	41.36	29.90
Renault	19	91-96	20.09	11.45	32.83	21.38
Renault	Scenic	01-04	16.18	8.58	28.43	19.85
Rover	Quintet	82-86	25.12	16.55	36.20	19.65
MG	MGF / MG TF	99-05	23.31	13.42	37.33	23.91

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Subaru	Impreza	93-00	26.22	23.91	28.66	4.75
Subaru	Impreza	01-07	20.25	17.29	23.58	6.28
Subaru	Impreza	07-11	17.83	11.56	26.50	14.94
Suzuki	Baleno / Cultus Crescent	95-02	24.58	20.38	29.32	8.94
Suzuki	Liana	01-07	19.34	13.71	26.56	12.85
Toyota	Corolla	82-84	26.12	24.39	27.92	3.53
Toyota	Corolla	86-88	26.13	24.67	27.63	2.96
Toyota / Holden	Corolla / Nova	89-93	25.20	24.07	26.36	2.29
Toyota / Holden	Corolla / Nova	94-97	24.10	22.75	25.49	2.74
Toyota	Corolla / Allex	98-01	19.48	17.59	21.53	3.95
Toyota	Corolla	02-07	20.80	19.33	22.35	3.02
Toyota	Corolla	07-12	19.58	17.04	22.40	5.36
Toyota	Tercel	83-88	24.81	18.55	32.35	13.79
Toyota	MR2	87-90	30.82	23.54	39.20	15.66
Toyota	MR2	91-00	20.82	14.38	29.17	14.80
Toyota	Paseo / Cynos	91-99	24.09	19.82	28.94	9.12
Toyota	MR2	00-05	26.05	10.03	52.66	42.62
Toyota	Corolla 4WD Wagon	92-96	23.42	14.87	34.87	20.00
Toyota	Prius II	03-09	15.35	9.35	24.15	14.80
Volvo	300 Series	84-88	35.42	22.06	51.53	29.47
Volvo	S40/V40	97-04	14.50	9.68	21.14	11.45
Volkswagen	Golf	82-94	32.24	22.03	44.48	22.45
Volkswagen	Golf	95-98	21.08	15.62	27.82	12.21
Volkswagen	Golf / Bora	99-04	15.60	12.54	19.23	6.70
Volkswagen	New Beetle	00-11	18.16	11.72	27.06	15.34
Volkswagen	Golf / Jetta	04-09	16.43	12.91	20.68	7.77
Light Cars			**22.77**	**21.87**	**23.70**	**1.83**
Mini	Mini Cooper	02-12	16.43	10.69	24.41	13.72
Citroen	C3	02-10	14.82	6.11	31.76	25.65
Daihatsu	Charade	82-86	31.65	28.18	35.35	7.17
Daihatsu	Charade	88-92	27.64	25.35	30.07	4.72
Daihatsu	Charade	93-00	29.64	26.99	32.45	5.46
Daihatsu	Pyzar	97-01	26.44	17.56	37.74	20.17
Daihatsu	Move	97-99	20.50	10.34	36.59	26.25
Daihatsu	Sirion / Storia	98-04	22.85	19.22	26.93	7.71
Daihatsu	Charade	03-05	21.47	12.09	35.21	23.12
Daihatsu	Mira	90-96	30.72	25.74	36.19	10.45
Daewoo	Matiz	99-04	20.40	16.59	24.83	8.24
Daewoo	Kalos	03-04	27.39	20.35	35.76	15.41
Ford	Festiva WD/WH/WF	94-01	26.75	25.27	28.28	3.00
Ford	Ka	99-02	26.24	20.05	33.53	13.48
Ford	Fiesta WP/WQ	04-08	20.34	13.06	30.27	17.20
Ford	Fiesta WS	09-12	16.60	10.55	25.13	14.58
Holden	Barina XC / Combo	01-12	18.97	16.37	21.88	5.51
Holden	Barina SB	95-00	21.49	19.51	23.61	4.10
Holden	Barina TK	05-11	21.74	18.67	25.16	6.50
Hyundai	Getz / TB	02-11	24.75	22.55	27.08	4.52
Mitsubishi	Mirage / Colt	82-88	26.61	25.02	28.26	3.24
Mitsubishi	Colt	04-11	23.72	18.32	30.12	11.80
Ford / Mazda	Festiva WA / 121	87-90	27.30	25.23	29.48	4.25
Mazda	121 / Autozam Review	94-96	25.29	22.52	28.27	5.74

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Mazda	121 Metro / Demio	97-02	24.06	21.13	27.25	6.11
Mazda	2 / Demio	02-07	25.87	21.41	30.89	9.48
Mazda	2 / Demio	07-12	20.31	16.12	25.26	9.14
Nissan	Micra	95-97	27.71	22.24	33.94	11.70
Honda	Jazz / Fit	02-08	20.80	17.63	24.37	6.74
Honda	Jazz GE / Fit	08-12	25.53	18.07	34.77	16.70
Honda	City	83-86	26.76	23.21	30.62	7.41
Honda	City	09-12	11.31	4.25	26.83	22.59
Peugeot	205	87-94	23.61	15.29	34.59	19.30
Peugeot	207	07-12	14.55	5.54	33.07	27.53
Peugeot	206	99-07	25.59	19.62	32.64	13.02
Proton	Satria	97-05	17.00	8.20	31.95	23.76
Proton	Savvy	06-11	18.13	8.11	35.70	27.58
Renault	Clio	01-08	28.76	18.52	41.77	23.25
Subaru	Sherpa / Fiori / 700 / Rex	89-92	28.24	23.47	33.56	10.08
Suzuki	Swift	82-85	31.46	21.28	43.80	22.52
Holden / Suzuki	Barina / Swift / Cultus	86-88	29.25	26.70	31.95	5.25
Holden / Suzuki	Barina / Swift / Cultus	89-99	26.39	24.95	27.89	2.95
Suzuki	Hatch / Alto	82-84	29.71	24.79	35.15	10.36
Suzuki	Alto	85-00	31.39	25.13	38.41	13.28
Suzuki	Ignis	00-02	25.93	20.36	32.41	12.05
Suzuki	Swift	05-10	21.14	18.45	24.10	5.65
Suzuki	Alto	09-12	20.55	10.44	36.48	26.04
Suzuki	Swift	11-12	32.91	17.77	52.69	34.93
Toyota	Starlet	96-99	26.48	23.97	29.16	5.19
Toyota	Echo	99-05	24.15	22.17	26.24	4.06
Toyota	Yaris / Vitz	05-11	18.06	15.76	20.61	4.85
Toyota	Yaris / Vitz	11-12	17.09	11.92	23.89	11.96
Volkswagen	Polo	96-00	20.62	14.77	28.02	13.25
Volkswagen	Polo	01-02	30.11	15.39	50.50	35.11
Volkswagen	Polo	02-10	20.33	13.57	29.31	15.74

APPENDIX 4

CRASHWORTHINESS RATINGS OF 1982-2012 MODELS OF CARS INVOLVED IN CRASHES DURING 1987-2012 with (1) 95 % CONFIDENCE LIMITS (2) 90 % CONFIDENCE LIMITS

CRASHWORTHINESS RATINGS
(WITH 95% CONFIDENCE LIMITS)

New South Wales and Victoria Data (1987-2012), South Australia Data (1995-2012), Queensland Data (1991-2012), Western Australia and New Zealand Data (1991-2012)

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
ALL VEHICLE AVERAGE			**3.92**			
Small Sports Utility Vehicles			**4.37**	**4.09**	**4.67**	**0.58**
Daihatsu	Feroza / Rocky	89-97	5.37	4.17	6.91	2.74
Daihatsu	Rocky / Rugger	85-98	7.52	5.71	9.91	4.20
Daihatsu	Terios	97-05	5.44	4.35	6.80	2.45
Holden	Cruze	02-06	5.52	4.39	6.95	2.56
Hyundai	Tucson	04-10	3.93	2.70	5.72	3.02
Hyundai	ix35	10-12	3.88	1.69	8.90	7.21
Mitsubishi	Pajero iO	99-03	4.11	1.84	9.17	7.33
Mitsubishi	Outlander	03-06	3.67	2.56	5.26	2.70
Mitsubishi / Peugeot	Outlander / 4007	06-12	1.43	0.83	2.47	1.64
Kia	Sportage	98-03	3.80	2.84	5.08	2.24
Kia	Sportage KM	05-10	4.24	2.39	7.51	5.11
Nissan	X-Trail	01-07	3.18	2.70	3.75	1.06
Nissan	Dualis	07-12	3.19	1.70	6.00	4.30
Lada	Niva	84-99	4.91	3.14	7.67	4.53
Honda	HR-V	99-02	4.41	3.00	6.48	3.48
Land Rover	Freelander	98-06	4.43	2.86	6.85	3.99
Suzuki	Vitara / Escudo	88-98	6.11	5.40	6.91	1.51
Holden / Suzuki	Drover / Sierra / Samurai / SJ410 / SJ413	82-99	7.07	6.29	7.95	1.67
Suzuki	Jimny	98-10	5.10	3.69	7.05	3.36
Suzuki	SX4	07-12	3.34	1.95	5.71	3.76
Medium Sports Utility Vehicles			**3.07**	**2.89**	**3.25**	**0.36**
BMW	X3 E83	04-10	2.16	0.81	5.79	4.98
Daewoo / Ssangong	Musso	98-06	4.43	2.83	6.95	4.12
Holden / Isuzu	Jackaroo / Bighorn	82-91	4.16	3.15	5.49	2.34
Holden / Isuzu	Jackaroo / Bighorn	92-97	3.47	2.60	4.64	2.04
Holden / Isuzu	Jackaroo / Bighorn	98-02	3.72	2.83	4.88	2.05
Holden	Frontera / Mu	95-03	3.54	2.38	5.25	2.86
Holden	Adventra	03-06	2.80	1.64	4.78	3.14
Holden	Captiva CG	06-12	2.11	1.46	3.05	1.59
Hyundai	Santa Fe	00-06	3.13	2.08	4.71	2.63
Hyundai	Terracan	01-07	2.02	1.03	3.97	2.94
Hyundai	Santa Fe	06-12	1.30	0.32	5.33	5.02
Mitsubishi	Pajero	82-90	5.66	4.79	6.68	1.89
Mitsubishi	Pajero	92-99	3.67	3.16	4.26	1.10

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Mitsubishi	Pajero NM / NP	00-06	2.68	2.09	3.43	1.33
Mitsubishi	Pajero NS / NT / NW	07-12	1.63	0.84	3.15	2.30
Mitsubishi	Challenger	98-06	4.05	2.99	5.48	2.48
Jeep	Cherokee XJ	96-00	4.00	3.21	4.97	1.76
Jeep	Wrangler	96-04	4.09	2.76	6.05	3.28
Jeep	Cherokee KJ	01-07	2.21	1.36	3.58	2.22
Jeep	Wrangler	05-12	2.23	1.09	4.58	3.49
Land Rover	Defender	92-12	4.33	2.94	6.37	3.43
Ford / Mazda	Escape / Tribute	01-06	3.50	2.86	4.28	1.41
Mazda	CX-7	06-12	1.47	0.76	2.83	2.07
Ford / Mazda	Escape / Tribute	06-12 / 06-08	1.45	0.54	3.92	3.38
Nissan	Pathfinder / Terrano	88-94	3.30	2.49	4.38	1.90
Nissan	Pathfinder / Terrano / Regulus	95-05	2.48	1.89	3.25	1.36
Nissan	Murano	05-08	2.36	1.14	4.91	3.77
Nissan	Pathfinder	05-12	1.33	0.69	2.56	1.87
Honda	CR-V	97-01	3.14	2.62	3.77	1.15
Honda	CR-V	02-06	2.62	2.10	3.26	1.17
Honda	CR-V	07-12	3.13	2.22	4.41	2.19
Subaru	Tribeca	06-12	1.90	0.74	4.88	4.14
Subaru	Forester	08-12	2.37	1.46	3.86	2.40
Subaru	Forester	97-02	3.10	2.55	3.76	1.21
Subaru	Forester	02-08	2.68	2.19	3.29	1.10
Suzuki	Grand Vitara	99-05	3.49	2.68	4.56	1.88
Suzuki	Grand Vitara / Escudo	05-08	2.50	1.57	3.99	2.42
Suzuki	Grand Vitara JT	08-12	0.92	0.23	3.66	3.43
Toyota	RAV4	94-00	4.33	3.75	4.99	1.24
Toyota	RAV4	01-06	3.22	2.74	3.79	1.05
Lexus	RX330	03-05	2.86	1.54	5.30	3.76
Toyota	RAV4	06-12	2.71	2.14	3.44	1.30
Large Sports Utility Vehicles			**2.79**	**2.64**	**2.95**	**0.31**
BMW	X5	01-06	1.75	0.88	3.47	2.59
BMW	X5 E70	07-12	0.98	0.34	2.82	2.47
Ford	Bronco	82-87	7.00	3.93	12.47	8.54
Ford	Explorer	00-01	4.65	3.32	6.53	3.21
Ford	Explorer	01-05	2.49	1.55	3.98	2.42
Ford	Territory SX/SY	04-10	2.08	1.62	2.69	1.07
Jeep	Grand Cherokee ZG	96-99	3.35	2.05	5.47	3.42
Jeep	Grand Cherokee WG	99-05	2.21	1.29	3.77	2.48
Kia	Sorento	03-09	2.99	1.92	4.66	2.74
Land Rover	Discovery	91-02	3.16	2.47	4.03	1.56
Land Rover	Discovery	02-04	2.29	0.95	5.51	4.56
Mazda	CX-9	07-12	0.79	0.20	3.16	2.96
Mercedes Benz	M-Class W163	98-05	2.31	1.40	3.81	2.41
Mercedes Benz	M / GL -Class W164 / X164	05-11	0.57	0.13	2.40	2.26
Nissan	Patrol / Safari	82-87	4.41	3.46	5.62	2.15
Nissan / Ford	Patrol / Maverick / Safari	88-97	3.10	2.76	3.47	0.70
Nissan	Patrol / Safari	98-12	2.59	2.26	2.96	0.70
Nissan	Patrol	12-12	3.38	1.55	7.40	5.85

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Land Rover	Range Rover	82-94	3.59	2.65	4.86	2.21
Land Rover	Range Rover	95-02	2.46	1.31	4.60	3.29
Toyota	Landcruiser	82-89	5.04	4.58	5.55	0.96
Toyota	Landcruiser	90-97	3.53	3.25	3.84	0.59
Toyota	Landcruiser	98-07	2.89	2.61	3.21	0.60
Toyota	Kluger / Highlander	03-07	3.04	2.24	4.14	1.90
Toyota	Landcruiser Prado	96-03	2.70	2.15	3.39	1.24
Toyota	Landcruiser Prado	03-09	2.08	1.71	2.53	0.83
Lexus	RX270/350/400h/450h	06-12	1.31	0.52	3.32	2.80
Toyota	Kluger / Highlander	07-12	1.61	0.96	2.68	1.72
Toyota	Landcruiser 200 Series	07-12	1.34	0.76	2.36	1.60
Toyota	Landcruiser Prado	09-12	1.58	0.49	5.09	4.60
Volvo	XC90	03-12	1.70	0.75	3.83	3.08
Volkswagen	Touareg	03-10	2.82	1.17	6.78	5.60
Commercial - Utes			**3.48**	**3.32**	**3.64**	**0.32**
Ford / Nissan	Falcon Ute / XFN Ute	82-95	4.79	4.37	5.26	0.90
Ford	Falcon Ute	96-99	3.92	3.27	4.70	1.43
Ford	Falcon Ute AU	00-02	2.98	2.51	3.55	1.04
Ford	Falcon Ute BA/BF	03-08	2.66	2.25	3.15	0.90
Ford	Falcon Ute FG	08-12	2.19	1.03	4.67	3.64
Ford	Ford F-Series	82-92	3.49	2.44	5.00	2.56
Ford	F-Series	01-06	2.96	1.75	5.02	3.27
Holden	Commodore Ute VG/VP	90-93	5.22	4.31	6.31	2.00
Holden / Isuzu	Rodeo / Pickup	82-85	5.84	4.27	7.99	3.72
Holden / Isuzu	Rodeo / Pickup	86-88	3.66	2.13	6.30	4.17
Holden / Isuzu	Rodeo / Pickup	89-95	5.09	4.59	5.66	1.07
Holden	Rodeo	96-98	3.82	3.24	4.49	1.24
Holden	Rodeo	99-02	4.07	3.52	4.69	1.17
Holden	WB Series	82-85	6.20	5.09	7.55	2.46
Holden	Commodore Ute VR/VS	94-00	4.71	4.30	5.17	0.87
Holden	Commodore VU Ute	00-02	3.43	2.87	4.10	1.22
Holden	Commodore VY/VZ Ute	02-07	2.95	2.60	3.34	0.73
Holden	Rodeo	03-08	3.01	2.62	3.46	0.83
Holden	Commodore VE Ute	07-12	2.47	1.71	3.58	1.88
Holden	Colorado RC / RG	08-12	2.75	1.76	4.28	2.52
Mitsubishi	Triton MK	96-06	3.06	2.44	3.83	1.39
Mitsubishi	Triton ML / MN	06-12	2.33	1.80	3.02	1.22
Kia	Ceres	92-00	6.41	5.20	7.90	2.70
Kia	K2700	02-08	4.79	2.62	8.77	6.15
Ford / Mazda	Courier / B-Series / Bounty	98-02	3.52	2.93	4.23	1.30
Ford / Mazda	Courier / Bravo / Bounty	03-06	3.43	2.80	4.20	1.40
Ford / Mazda	Ranger / BT-50	06-11	2.41	1.97	2.94	0.97
Nissan	720 Ute	82-85	5.49	4.44	6.79	2.35
Nissan	Navara	86-91	4.98	4.34	5.70	1.36
Nissan	Navara	92-96	4.33	3.58	5.24	1.66
Nissan	Navara	97-05	2.82	2.40	3.32	0.92
Nissan	Navara	05-12	2.49	1.93	3.22	1.29
Proton	Jumbuck	03-10	3.29	1.68	6.46	4.78

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Subaru	Brumby	82-92	7.80	6.67	9.13	2.45
Suzuki	Mighty Boy	85-88	11.65	8.87	15.30	6.42
Toyota	4Runner/Hilux	82-85	5.77	5.17	6.44	1.27
Toyota	4Runner/Hilux	86-88	5.32	4.74	5.96	1.22
Toyota	4Runner/Hilux	89-97	4.67	4.39	4.96	0.56
Toyota	Hilux	98-02	3.35	3.01	3.74	0.73
Toyota	Hilux	03-04	3.11	2.59	3.73	1.14
Toyota	Hilux	05-12	2.42	2.10	2.79	0.69
Commercial - Vans			**3.92**	**3.68**	**4.16**	**0.48**
Daihatsu	Handivan	82-90	10.33	8.23	12.97	4.74
Daihatsu	Hi-Jet	82-90	14.82	10.24	21.45	11.21
Daihatsu	Handivan / Cuore	99-03	8.84	5.97	13.09	7.12
Ford	Falcon Panel Van	82-95	4.29	3.57	5.16	1.59
Ford	Falcon Panel Van	96-99	2.84	1.69	4.76	3.07
Ford	Transit	95-00	3.77	2.78	5.11	2.33
Ford	Transit	01-07	1.58	1.06	2.35	1.29
Fiat	Ducato	02-07	1.67	0.63	4.40	3.77
Holden	Shuttle / WFR Van	82-87	7.70	5.40	10.97	5.57
Hyundai	iLoad	08-12	2.16	1.10	4.27	3.17
Mitsubishi	Express	94-12	4.83	3.58	6.51	2.93
Kia	Pregio	02-06	3.99	2.82	5.64	2.81
Mercedes Benz	MB100 / MB140	99-04	2.50	1.36	4.60	3.25
Mercedes Benz	Vito	99-04	2.42	1.43	4.08	2.65
Mercedes Benz	Sprinter	98-06	2.24	1.42	3.53	2.12
Mercedes Benz	Sprinter	06-12	1.09	0.27	4.48	4.21
Mercedes Benz	Vito / Viano / Valente	04-12	2.37	1.11	5.04	3.93
Honda	Acty	83-86	4.86	2.96	7.98	5.02
Holden / Suzuki	Scurry / Carry	82-00	11.81	9.13	15.27	6.15
Suzuki	Carry	99-05	4.90	2.35	10.20	7.85
Toyota	Hiace/Liteace	82-86	7.04	6.26	7.92	1.66
Toyota	Hiace/Liteace	87-89	6.07	5.21	7.08	1.87
Toyota	Hiace/Liteace	90-95	5.42	4.81	6.10	1.29
Toyota	Hiace/Liteace	96-04	3.74	3.29	4.24	0.95
Toyota	Hiace	05-12	2.91	2.24	3.77	1.52
Volkswagen	Caravelle / Transporter	88-94	3.55	1.73	7.27	5.54
Volkswagen	Caravelle / Transporter	95-04	2.49	1.60	3.87	2.27
Volkswagen	Caddy	05-12	3.89	2.18	6.96	4.78
Large Cars			**3.66**	**3.51**	**3.82**	**0.31**
Audi	A8	95-03	2.19	0.81	5.92	5.11
BMW	5 Series E60 / E61	03-10	1.77	0.78	4.00	3.21
BMW	5 Series E28	82-88	4.06	2.87	5.76	2.89
BMW	5 Series E34	89-95	3.67	2.67	5.04	2.37
BMW	5 Series E39	96-03	2.38	1.67	3.39	1.72
BMW	7 Series E23	82-86	3.11	1.42	6.81	5.39
BMW	7 Series E32	87-94	5.24	3.34	8.22	4.87
BMW	7 Series E38	95-01	2.05	0.94	4.48	3.54

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Chrysler	300C	06-11	2.30	0.95	5.55	4.60
Ford	Falcon XE/XF	82-88	5.31	5.09	5.54	0.46
Ford	Fairlane Z & LTD F	82-87	5.10	4.53	5.73	1.20
Ford	Falcon EA / Falcon EB Series I	88-Mar 92	4.83	4.61	5.07	0.46
Ford	Falcon EB Series II / Falcon ED	Apr 92-94	4.49	4.21	4.80	0.59
Ford	Fairlane N & LTD D	88-94	3.91	3.42	4.46	1.03
Ford	Fairlane N & LTD D	95-98	4.04	3.31	4.92	1.60
Ford	Fairlane & LTD AU	99-02	3.47	2.58	4.65	2.07
Ford	Fairlane & LTD BA/BF	03-07	2.94	1.93	4.47	2.53
Ford	Falcon FG	08-12	1.94	1.46	2.58	1.12
Ford	Falcon EF/EL	94-98	4.03	3.85	4.23	0.38
Ford	Falcon AU	98-02	3.70	3.49	3.94	0.45
Ford	Taurus	96-98	4.89	3.46	6.91	3.45
Ford	Falcon BA/BF	02-08	2.90	2.70	3.11	0.41
Holden / Toyota	Commodore VN/VP / Lexcen	89-93	5.32	5.12	5.54	0.42
Holden	Statesman/Caprice WB	82-85	8.18	4.95	13.54	8.59
Holden	Stateman/Caprice VQ	90-93	5.39	3.93	7.38	3.45
Holden	Stateman/Caprice VR/VS	94-98	4.11	3.59	4.71	1.12
Holden / Toyota	Commodore VR/VS / Lexcen	93-97	4.56	4.38	4.76	0.38
Holden	Commodore VT/VX	97-02	3.78	3.61	3.96	0.35
Holden	Statesman/Caprice WH	99-03	3.58	2.81	4.57	1.76
Holden	Commodore VY/VZ	02-07	3.06	2.84	3.30	0.46
Holden	Monaro	01-05	3.56	2.66	4.79	2.13
Holden	Statesman/Caprice WK/WL	03-06	2.77	1.87	4.11	2.23
Holden	Commodore VB-VL	82-88	5.92	5.68	6.17	0.50
Holden	Commodore VE	06-12	2.67	2.38	3.01	0.63
Holden	Statesman/Caprice WM	06-12	2.32	1.09	4.94	3.85
Hyundai	Sonata	89-97	4.50	3.87	5.22	1.35
Hyundai	Grandeaur / XG	99-00	2.38	1.26	4.52	3.27
Mitsubishi	Magna TM/TN/TP / Sigma / V3000	85-90	5.63	5.32	5.96	0.63
Mitsubishi	Magna TE/TF/TH/TJ / Verada KE/KF/KH/KJ / Diamante	96-03	4.14	3.87	4.44	0.57
Mitsubishi	Magna TR/TS / Verada KR/KS / V3000 / Diamante	91-96	4.47	4.21	4.75	0.55
Mitsubishi	Magna TL/TW / Verada KL/KW	03-05	3.33	2.70	4.10	1.40
Mitsubishi	380	05-08	2.49	1.80	3.44	1.64
Jaguar	XJ6	82-86	6.46	3.99	10.45	6.46
Jaguar	XJ6	87-94	2.40	1.35	4.27	2.92
Jaguar	S-Type	99-08	1.82	0.81	4.10	3.30
Kia	Optima	01-06	2.61	0.98	6.89	5.91
Mazda	929 / Luce	82-90	5.73	4.97	6.61	1.64
Mazda	929 / Sentia / Efini MS-9	92-96	4.82	2.81	8.27	5.47
Mercedes Benz	E-Class W123	82-85	4.16	2.43	7.10	4.67
Mercedes Benz	E-Class W124	86-94	3.62	2.70	4.85	2.15
Mercedes Benz	E-Class W210	96-02	2.75	1.85	4.09	2.24
Mercedes Benz	S-Class W126	82-92	3.78	2.66	5.36	2.70
Mercedes Benz	S-Class C140	93-98	2.78	1.30	5.92	4.62
Mercedes Benz	S-Class W220	99-06	2.03	0.73	5.66	4.93
Mercedes Benz	E-Class W211	02-09	2.30	1.22	4.34	3.11
Nissan	Skyline	83-88	5.36	4.85	5.92	1.07

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Nissan	300ZX / Fairlady Z	90-95	5.03	3.61	7.02	3.41
Nissan	Maxima	90-94	4.71	3.77	5.89	2.12
Nissan	Maxima / Cefiro	95-99	4.50	3.70	5.47	1.76
Nissan	Maxima	00-02	3.94	2.86	5.42	2.55
Nissan	Maxima	06-09	2.89	1.97	4.24	2.26
Honda	Legend	86-95	3.72	2.74	5.07	2.33
Rover	3500	82-87	2.70	1.02	7.13	6.11
Saab	9-5	98-05	2.49	1.14	5.41	4.26
Toyota	Crown / Cressida / Mark II	82-85	5.72	4.80	6.82	2.02
Toyota	Crown / Cressida / Mark II	86-88	5.37	4.03	7.16	3.13
Toyota	Cressida / Mark II	89-93	3.77	3.05	4.65	1.60
Toyota	Supra	82-90	6.54	4.80	8.90	4.10
Lexus	ES300 / Windom	92-01	4.11	2.98	5.67	2.69
Lexus	LS400 / Celsior	90-00	2.39	1.16	4.94	3.78
Toyota	Avalon	00-05	3.32	2.81	3.92	1.10
Toyota	Aurion	06-12	2.28	1.72	3.03	1.31
Volvo	850/S70/V70/C70	92-99	3.63	2.86	4.61	1.75
Volvo	700/900 Series	84-92	3.33	2.58	4.29	1.71
Volvo	960/S90/V90	90-98	2.79	1.13	6.88	5.75
Volvo	S80	98-06	2.58	0.84	7.91	7.07
Volvo	V70 / XC70	00-07	1.67	0.66	4.21	3.54
Medium Cars			**3.82**	**3.66**	**3.99**	**0.33**
Alfa Romeo	164	89-92	5.13	2.35	11.17	8.82
Alfa Romeo	156	99-06	3.84	2.45	6.02	3.56
Audi	A4 / S4 B8 / AllRoad	08-12	0.92	0.22	3.75	3.52
Audi	A4	95-01	3.67	2.68	5.02	2.34
Audi	TT	99-06	2.72	1.10	6.68	5.58
Audi	A4	01-08	2.01	1.22	3.31	2.09
BMW	Z3 E36	97-03	3.24	1.80	5.82	4.02
BMW	3 Series E90 /E91 /E92 /E93	05-12	2.35	1.59	3.49	1.91
BMW	3 Series E30	82-91	4.54	3.92	5.27	1.36
BMW	3 Series E36	92-98	3.77	3.31	4.29	0.98
BMW	3 Series E46	99-06	3.39	2.85	4.04	1.20
Chrysler	PT Cruiser	00-10	1.91	0.80	4.55	3.75
Citroen	C5	01-08	2.91	1.27	6.67	5.40
Daewoo	Espero	95-97	6.90	5.39	8.84	3.45
Daewoo	Leganza	97-02	4.45	3.31	6.00	2.69
Daewoo	Tacuma	00-04	7.88	4.64	13.36	8.71
Ford	Mondeo	95-01	3.31	2.76	3.96	1.20
Ford	Mondeo	07-12	2.62	1.48	4.66	3.18
Ford	Probe	94-98	5.94	3.77	9.37	5.60
Ford	Cougar	99-03	3.23	2.32	4.51	2.19
Holden	Calibra	94-97	4.32	2.88	6.50	3.63
Holden	Camira	82-89	6.70	6.27	7.15	0.88
Holden	Vectra	97-03	3.42	2.94	3.98	1.04
Holden	Vectra ZC	03-05	2.58	1.69	3.93	2.24
Hyundai	Sonata	98-01	4.16	3.11	5.56	2.45
Hyundai	Sonata EF	02-05	2.96	1.59	5.51	3.92

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Hyundai	Tiburon	02-10	3.28	1.40	7.69	6.30
Hyundai	Sonata NF	05-10	4.05	2.27	7.22	4.95
Mitsubishi	Sigma / Galant / Sapporo / Lambda	82-84	5.93	5.49	6.41	0.91
Mitsubishi	Starion	82-87	10.36	6.88	15.60	8.72
Mitsubishi	Galant	95-96	5.03	4.20	6.03	1.83
Jaguar	X-Type	02-10	1.78	0.79	4.01	3.22
Kia	Credos	98-01	7.05	3.37	14.75	11.38
Ford / Mazda	Telstar / 626 / MX6 / Capella	83-86	5.52	5.11	5.98	0.87
Ford / Mazda	Telstar / 626 / MX6 / Capella	88-91	5.06	4.63	5.54	0.92
Ford / Mazda	Telstar / 626 / MX6 / Capella / Cronos	92-97	4.48	4.05	4.95	0.90
Mazda	626	98-02	3.68	3.06	4.42	1.37
Mazda	RX7	82-85	6.26	4.57	8.57	4.01
Mazda	RX7	86-91	5.02	3.42	7.35	3.92
Mazda	Eunos 500	93-99	3.96	2.34	6.71	4.38
Mazda	Eunos 800	94-00	3.53	1.53	8.13	6.59
Mazda	6 / Atenza	02-07	2.65	2.19	3.19	1.00
Mazda	RX-8	03-11	0.75	0.24	2.37	2.13
Mazda	6 / Atenza	08-11	2.58	1.54	4.34	2.80
Mercedes Benz	C-Class W201	87-93	4.97	3.74	6.59	2.85
Mercedes Benz	C-Class W202	95-00	3.22	2.46	4.21	1.75
Mercedes Benz	CLK C208	97-03	4.94	2.89	8.43	5.54
Mercedes Benz	SLK R170	97-04	2.42	0.93	6.27	5.34
Mercedes Benz	C-Class W203	00-07	3.04	2.22	4.17	1.95
Mercedes Benz	CLK C209	03-09	1.93	0.87	4.30	3.43
Mercedes Benz	C-Class W204 / C204	07-12	2.21	1.26	3.87	2.62
Nissan	Pintara	86-88	5.40	4.80	6.07	1.27
Nissan / Ford	Pintara / Corsair / Bluebird	89-92	5.85	5.39	6.34	0.95
Nissan	Bluebird	82-86	6.61	6.15	7.10	0.95
Nissan	280ZX	82-84	6.22	3.06	12.65	9.59
Nissan	Bluebird	93-97	4.00	3.40	4.69	1.29
Nissan	200SX / Silvia	94-02	4.03	3.16	5.15	1.99
Nissan	350Z / Fairlady	03-09	4.45	2.70	7.35	4.65
Honda	Accord Euro	03-08	2.84	2.22	3.64	1.42
Honda	Accord	03-07	2.32	1.67	3.23	1.56
Honda	Accord	82-85	6.42	5.61	7.34	1.73
Honda	Accord	86-90	4.67	4.04	5.41	1.36
Honda	Accord	91-93	4.04	3.32	4.92	1.60
Honda	Accord	94-98	3.93	3.41	4.53	1.12
Honda	Accord	99-02	2.84	2.07	3.89	1.82
Honda	Accord	08-12	3.11	1.88	5.13	3.25
Honda	Accord Euro	08-12	2.49	1.24	4.99	3.75
Honda	Prelude	82-82	4.34	2.03	9.25	7.22
Honda	Prelude	83-91	5.49	4.89	6.17	1.28
Honda	Prelude	92-96	4.78	3.93	5.80	1.87
Honda	Prelude	97-02	2.87	1.97	4.19	2.21
Peugeot	407	04-11	1.19	0.44	3.23	2.79
Peugeot	405	89-97	4.21	3.04	5.85	2.81
Peugeot	505	82-93	3.33	2.28	4.87	2.59
Peugeot	406	96-04	2.69	1.57	4.61	3.04

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Porsche	944	82-91	6.51	3.04	13.97	10.94
Renault	Feugo	82-87	4.75	2.86	7.88	5.02
Rover	75	01-05	3.12	1.32	7.36	6.03
Saab	900 Series	82-92	4.64	3.51	6.12	2.61
Saab	900/9-3	94-02	2.86	2.11	3.88	1.78
Saab	9000	86-97	2.64	1.80	3.88	2.08
Saab	9-3	03-11	3.31	1.87	5.87	4.01
Subaru	1800 / Leone / Omega / 4WD Wagon	82-93	5.84	5.31	6.44	1.13
Subaru	Liberty / Legacy	89-93	4.64	4.18	5.15	0.97
Subaru	Liberty / Legacy / Outback	94-98	3.84	3.35	4.41	1.06
Subaru	Liberty / Legacy / Outback	99-03	2.99	2.54	3.52	0.98
Subaru	Liberty / Legacy / Outback	03-09	2.94	2.39	3.62	1.23
Toyota	Corona	82-88	6.09	5.70	6.50	0.80
Toyota	Camry	83-86	5.98	5.17	6.92	1.75
Holden / Toyota	Apollo JK/JL / Camry / Vista	88-92	4.82	4.57	5.08	0.51
Holden / Toyota	Apollo JM/JP / Camry / Sceptor	93-97	5.19	4.90	5.50	0.60
Toyota	Camry	98-02	3.81	3.53	4.11	0.57
Toyota	Celica	81-85	5.27	4.42	6.28	1.85
Toyota	Celica	86-89	5.22	4.33	6.29	1.97
Toyota	Celica	90-93	5.33	4.52	6.28	1.76
Toyota	Celica	94-99	4.36	3.48	5.45	1.97
Toyota	Celica	00-05	3.40	2.24	5.16	2.92
Lexus	IS200 / IS300	99-04	1.69	0.92	3.13	2.21
Toyota	Camry	02-06	3.09	2.77	3.45	0.68
Lexus	IS350 / IS250 / IS F	05-12	2.18	1.15	4.11	2.96
Toyota	Camry	06-11	2.59	2.14	3.12	0.98
Volvo	200 Series	82-93	4.09	3.38	4.95	1.57
Volvo	S60	01-09	1.63	0.62	4.31	3.69
Volvo	S40/V50	04-12	0.67	0.10	4.74	4.65
Volkswagen	Passat	98-06	2.39	1.49	3.84	2.35
Volkswagen	Passat	06-12	1.46	0.61	3.51	2.90
People Movers			**4.10**	**3.85**	**4.36**	**0.52**
Chrysler	Voyager	97-01	2.54	1.46	4.42	2.96
Chrysler	Grand Voyager RG	01-07	1.47	0.36	6.03	5.67
Holden	Zafira TT	01-05	2.93	1.71	5.02	3.31
Hyundai	Trajet	00-07	3.42	1.33	8.83	7.50
Mitsubishi	Nimbus / Chariot / Spacewagon	85-91	5.47	4.01	7.47	3.46
Mitsubishi	Nimbus / Chariot	92-98	5.00	3.84	6.50	2.65
Mitsubishi	Nimbus	99-03	3.14	1.84	5.36	3.52
Mitsubishi	Starwagon / L300	83-86	9.04	7.95	10.28	2.32
Mitsubishi	Starwagon / Delica Starwagon	87-93	6.25	5.59	6.98	1.39
Mitsubishi	Starwagon / Delica Spacegear	95-03	4.98	4.09	6.07	1.98
Mitsubishi	Grandis	04-10	2.78	1.15	6.70	5.55
Kia	Carens	00-02	7.13	3.15	16.13	12.98
Kia	Carnival	99-06	2.85	2.13	3.80	1.67
Kia	Carnival	06-11	1.66	0.91	3.04	2.14
Mazda	MPV	94-99	2.28	1.10	4.74	3.64

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Mazda	MPV	00-06	2.44	1.08	5.47	4.39
Nissan	Prairie	84-86	5.82	4.12	8.22	4.09
Nissan	Serena	92-95	3.42	2.12	5.52	3.40
Honda	Odyssey	95-00	3.01	2.22	4.07	1.85
Honda	Odyssey	00-02	3.74	2.14	6.54	4.40
Honda	Odyssey	04-09	1.80	0.97	3.31	2.34
Toyota	Tarago	83-89	7.23	6.44	8.11	1.67
Toyota	Tarago / Previa / Estima	91-99	3.68	3.07	4.40	1.33
Toyota	Tarago / Previa / Estima	00-06	2.81	2.04	3.87	1.83
Toyota	Spacia	93-00	4.19	2.28	7.71	5.43
Toyota	Avensis Verso	01-10	3.97	2.23	7.08	4.86
Toyota	Tarago	06-12	2.58	1.43	4.64	3.21
Small Cars			**4.49**	**4.30**	**4.68**	**0.38**
Alfa Romeo	33	83-92	5.78	4.11	8.12	4.01
Alfa Romeo	75	86-92	3.76	1.49	9.45	7.95
Alfa Romeo	GTV	82-84	8.51	4.71	15.41	10.70
Alfa Romeo	Sprint	82-88	5.71	2.64	12.35	9.71
Alfa Romeo	Alfasud	82-84	7.85	3.75	16.42	12.67
Alfa Romeo	147 / GT	01-10	2.74	1.39	5.40	4.02
Audi	A3	04-12	2.27	1.02	5.05	4.03
Audi	A3/S3	97-04	2.60	1.47	4.62	3.15
BMW	1 Series E81 / E82 / E87 / E88	04-12	2.92	1.79	4.76	2.96
Chrysler	Neon	96-99	5.08	3.52	7.33	3.81
Chrysler	Neon	00-02	5.33	2.74	10.37	7.64
Citroen	BX	86-94	1.07	0.33	3.47	3.14
Citroen	C4	05-10	3.82	1.80	8.10	6.31
Citroen	Xsara	00-05	3.11	1.05	9.17	8.11
Daihatsu	Applause	89-99	5.95	5.10	6.92	1.82
Daewoo	1.5i	94-95	7.60	4.13	13.99	9.85
Daewoo	Cielo	95-97	5.73	5.04	6.50	1.46
Daewoo	Nubira	97-03	4.38	3.76	5.10	1.34
Daewoo	Lanos	97-03	5.92	5.33	6.57	1.25
Daewoo	Lacetti	03-04	3.61	1.88	6.93	5.05
Ford	Laser	91-94	5.69	5.33	6.08	0.75
Ford	Laser	95-97	5.34	4.77	5.97	1.21
Ford	Capri	89-94	7.02	5.81	8.48	2.67
Ford	Focus LR	02-05	3.51	2.87	4.28	1.41
Ford	Focus LS / LT	05-09	3.25	2.67	3.94	1.27
Ford	Focus LV	09-12	2.53	1.41	4.53	3.12
Fiat	Regata	84-88	5.81	3.07	10.97	7.90
Holden	Gemini	82-84	6.79	6.15	7.50	1.35
Holden	Gemini RB	86-87	7.06	5.65	8.80	3.15
Holden	Astra TR	96-98	4.17	3.29	5.29	2.00
Holden	Astra TS	98-06	3.48	3.18	3.81	0.63
Holden	Astra AH	04-09	3.21	2.67	3.86	1.19
Holden	Viva JF	05-09	3.93	3.10	4.99	1.89
Holden	Cruze JG / JH	09-12	2.11	1.41	3.16	1.75
Hyundai	Excel	86-90	7.88	6.99	8.89	1.90

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Hyundai	Excel	90-94	7.09	6.55	7.67	1.12
Hyundai	Excel / Accent	95-00	6.37	6.05	6.70	0.65
Hyundai	Elantra	00-06	4.47	3.85	5.20	1.35
Hyundai	Accent	06-09	3.29	1.96	5.54	3.58
Hyundai	i30	07-12	3.12	2.34	4.16	1.82
Hyundai	S Coupe	90-96	7.02	5.67	8.69	3.02
Hyundai	Lantra	91-95	6.17	5.19	7.34	2.15
Hyundai	Lantra	96-00	5.37	4.77	6.04	1.27
Hyundai	Coupe	96-00	5.44	4.15	7.14	2.98
Hyundai	Accent	00-06	5.37	4.82	5.98	1.16
Mitsubishi	Lancer / Mirage CA	89-90	5.42	4.87	6.04	1.17
Mitsubishi	Lancer / Mirage CB	91-92	6.50	5.21	8.11	2.90
Mitsubishi	Lancer / Mirage CC	93-95	5.52	5.03	6.06	1.03
Mitsubishi	Lancer / Mirage CE	96-03	5.22	4.91	5.56	0.65
Mitsubishi	Cordia	83-87	7.49	6.39	8.79	2.40
Mitsubishi	Lancer CE / CG / Cedia	02-03	10.41	5.81	18.64	12.82
Mitsubishi	Lancer CH	03-07	4.20	3.64	4.86	1.22
Mitsubishi	Lancer CJ	08-12	3.23	2.43	4.30	1.87
Kia	Rio	00-05	5.12	4.44	5.91	1.47
Kia	Spectra	01-04	5.26	3.51	7.88	4.36
Kia	Cerato LD	04-08	3.95	2.89	5.40	2.51
Kia	Rio JB	05-11	4.88	3.99	5.96	1.97
Kia	Cerato TD	09-12	4.48	1.86	10.77	8.91
Ford / Mazda	Laser / 323 / Familia	82-88	7.04	6.77	7.33	0.56
Mazda	323 / Familia / Lantis	90-93	5.44	4.93	6.02	1.09
Mazda	323 / Familia / Lantis	95-98	5.27	4.72	5.88	1.16
Ford / Mazda	Laser / 323	99-03	3.85	3.47	4.28	0.81
Mazda	MX5 / Eunos Roadster	89-97	5.39	3.60	8.08	4.48
Mazda	MX5 / Eunos Roadster	98-05	3.94	2.50	6.19	3.69
Mazda	Eunos 30X / Presso / MX-3 / Autozam AZ-3	90-97	4.78	3.30	6.92	3.62
Mazda	3 / Axela	03-09	3.08	2.74	3.47	0.73
Mazda	MX-5	05-12	4.34	2.03	9.31	7.28
Mazda	3 / Axela	09-12	2.99	2.21	4.06	1.85
Mercedes Benz	A-Class W168	98-04	4.51	2.80	7.27	4.46
Mercedes Benz	A-Class W169	05-09	3.74	1.50	9.30	7.79
Mercedes Benz	B-Class W245	05-12	2.74	1.20	6.23	5.03
Holden / Nissan	Astra / Pulsar / Langley	84-86	7.48	6.94	8.06	1.12
Holden / Nissan	Astra / Pulsar / Vector / Sentra	88-90	6.40	5.98	6.85	0.87
Nissan	Pulsar / Vector / Sentra	92-95	4.80	4.37	5.27	0.90
Nissan	Pulsar / Vector / Sentra	96-99	5.02	4.61	5.47	0.86
Nissan	Pulsar / Bluebird Sylphy	00-05	4.58	4.20	5.01	0.81
Nissan	Stanza	82-83	5.46	3.61	8.25	4.64
Nissan	Gazelle / Silvia	84-86	7.49	5.97	9.38	3.41
Nissan	Exa	83-86	9.32	6.87	12.65	5.78
Nissan	Exa	87-91	7.25	4.65	11.28	6.63
Nissan	NX/NX-R	91-96	7.68	6.10	9.66	3.56
Nissan	Tiida	06-12	4.50	3.30	6.12	2.83
Honda	Civic	82-83	6.89	5.61	8.46	2.85
Honda	Civic / Ballade / Shuttle	84-87	7.63	6.81	8.57	1.76

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Honda	Civic / Shuttle	88-91	5.83	5.26	6.46	1.20
Honda	Civic	92-95	5.11	4.57	5.72	1.14
Honda	Civic	96-00	4.58	4.07	5.17	1.10
Honda	CRX	87-91	8.29	6.49	10.59	4.09
Honda	CRX	92-98	5.32	3.36	8.44	5.08
Honda	S2000	99-09	2.06	0.90	4.71	3.81
Honda	Civic	01-05	3.52	2.86	4.34	1.48
Honda	Civic	06-11	2.75	2.14	3.53	1.39
Honda	Integra	86-88	6.36	5.05	8.00	2.95
Honda	Integra	90-92	5.44	4.32	6.86	2.55
Honda	Integra	93-01	4.65	3.75	5.75	1.99
Honda	Integra	02-06	3.74	2.19	6.40	4.22
Honda	Concerto	89-93	5.19	3.97	6.80	2.83
Peugeot	308	08-12	3.10	1.52	6.32	4.80
Peugeot	306	94-01	3.40	2.63	4.40	1.77
Peugeot	307	01-09	1.68	1.09	2.59	1.51
Proton	Wira	95-96	5.75	4.67	7.07	2.40
Proton	Gen 2	04-12	6.62	3.98	11.01	7.03
Renault	Megane II	03-10	4.08	2.01	8.28	6.27
Renault	19	91-96	4.53	2.55	8.04	5.49
Renault	Scenic	01-04	3.16	1.66	6.01	4.35
Rover	Quintet	82-86	6.29	4.02	9.85	5.83
MG	MGF / MG TF	99-05	3.71	2.07	6.63	4.56
Subaru	Impreza	93-00	5.44	4.90	6.03	1.13
Subaru	Impreza	01-07	3.17	2.68	3.75	1.07
Subaru	Impreza	07-11	2.57	1.65	3.99	2.35
Suzuki	Baleno / Cultus Crescent	95-02	5.16	4.23	6.29	2.05
Suzuki	Liana	01-07	3.57	2.48	5.13	2.65
Toyota	Corolla	82-84	6.76	6.26	7.29	1.03
Toyota	Corolla	86-88	6.29	5.91	6.70	0.79
Toyota / Holden	Corolla / Nova	89-93	5.66	5.38	5.95	0.57
Toyota / Holden	Corolla / Nova	94-97	5.08	4.77	5.41	0.63
Toyota	Corolla / Allex	98-01	3.66	3.28	4.08	0.80
Toyota	Corolla	02-07	3.78	3.49	4.09	0.60
Toyota	Corolla	07-12	3.20	2.76	3.72	0.96
Toyota	Tercel	83-88	5.99	4.35	8.25	3.89
Toyota	MR2	87-90	7.78	5.60	10.80	5.19
Toyota	MR2	91-00	4.98	3.22	7.70	4.47
Toyota	Paseo / Cynos	91-99	5.23	4.25	6.44	2.20
Toyota	MR2	00-05	5.79	2.36	14.21	11.85
Toyota	Corolla 4WD Wagon	92-96	4.17	2.63	6.61	3.97
Toyota	Prius II	03-09	1.99	1.19	3.32	2.13
Volvo	300 Series	84-88	6.38	3.71	10.97	7.25
Volvo	S40/V40	97-04	2.29	1.51	3.47	1.96
Volkswagen	Golf	82-94	7.49	4.89	11.47	6.58
Volkswagen	Golf	95-98	3.83	2.80	5.22	2.42
Volkswagen	Golf / Bora	99-04	2.76	2.20	3.47	1.27
Volkswagen	New Beetle	00-11	3.21	2.03	5.07	3.04
Volkswagen	Golf / Jetta	04-09	2.38	1.84	3.08	1.24

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Light Cars			**5.34**	**5.11**	**5.58**	**0.47**
Mini	Mini Cooper	02-12	2.71	1.70	4.31	2.60
Citroen	C3	02-10	2.88	1.20	6.91	5.70
Daihatsu	Charade	82-86	9.85	8.63	11.23	2.59
Daihatsu	Charade	88-92	7.55	6.88	8.28	1.41
Daihatsu	Charade	93-00	7.65	6.93	8.46	1.53
Daihatsu	Pyzar	97-01	5.72	3.76	8.70	4.94
Daihatsu	Move	97-99	5.79	2.82	11.88	9.06
Daihatsu	Sirion / Storia	98-04	5.69	4.74	6.84	2.10
Daihatsu	Charade	03-05	7.58	4.22	13.61	9.39
Daihatsu	Mira	90-96	11.31	9.34	13.68	4.34
Daewoo	Matiz	99-04	6.37	5.13	7.93	2.80
Daewoo	Kalos	03-04	5.81	4.23	7.99	3.76
Ford	Festiva WD/WH/WF	94-01	7.13	6.71	7.59	0.88
Ford	Ka	99-02	6.17	4.61	8.25	3.64
Ford	Fiesta WP/WQ	04-08	3.80	2.40	6.01	3.61
Ford	Fiesta WS	09-12	3.12	1.95	4.99	3.03
Holden	Barina XC / Combo	01-12	3.81	3.26	4.46	1.20
Holden	Barina SB	95-00	5.34	4.83	5.92	1.09
Holden	Barina TK	05-11	4.36	3.70	5.14	1.44
Hyundai	Getz / TB	02-11	4.95	4.48	5.48	1.00
Mitsubishi	Mirage / Colt	82-88	7.23	6.75	7.74	0.99
Mitsubishi	Colt	04-11	4.79	3.60	6.38	2.78
Ford / Mazda	Festiva WA / 121	87-90	7.48	6.87	8.15	1.28
Mazda	121 / Autozam Review	94-96	6.53	5.77	7.39	1.62
Mazda	121 Metro / Demio	97-02	5.37	4.67	6.18	1.51
Mazda	2 / Demio	02-07	4.94	4.02	6.06	2.05
Mazda	2 / Demio	07-12	3.76	2.94	4.83	1.89
Nissan	Micra	95-97	7.09	5.61	8.96	3.35
Honda	Jazz / Fit	02-08	3.65	3.05	4.37	1.32
Honda	Jazz GE / Fit	08-12	4.41	3.03	6.41	3.39
Honda	City	83-86	9.09	7.48	11.05	3.57
Honda	City	09-12	1.80	0.66	4.90	4.24
Peugeot	205	87-94	5.01	3.11	8.06	4.94
Peugeot	207	07-12	1.86	0.70	4.94	4.24
Peugeot	206	99-07	4.69	3.54	6.21	2.67
Proton	Satria	97-05	3.60	1.75	7.40	5.66
Proton	Savvy	06-11	3.29	1.42	7.63	6.21
Renault	Clio	01-08	6.09	3.84	9.66	5.82
Subaru	Sherpa / Fiori / 700 / Rex	89-92	11.34	9.31	13.81	4.50
Suzuki	Swift	82-85	9.60	6.35	14.53	8.18
Holden / Suzuki	Barina / Swift / Cultus	86-88	9.26	8.37	10.24	1.87
Holden / Suzuki	Barina / Swift / Cultus	89-99	7.01	6.59	7.45	0.85
Suzuki	Hatch / Alto	82-84	11.67	9.64	14.14	4.50
Suzuki	Alto	85-00	11.07	8.50	14.41	5.91
Suzuki	Ignis	00-02	6.78	5.23	8.80	3.57
Suzuki	Swift	05-10	4.14	3.57	4.80	1.23
Suzuki	Alto	09-12	5.83	2.94	11.54	8.59

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Suzuki	Swift	11-12	8.93	4.81	16.57	11.76
Toyota	Starlet	96-99	6.39	5.73	7.12	1.38
Toyota	Echo	99-05	5.03	4.59	5.52	0.93
Toyota	Yaris / Vitz	05-11	3.45	2.99	3.98	1.00
Toyota	Yaris / Vitz	11-12	3.30	2.20	4.96	2.76
Volkswagen	Polo	96-00	4.70	3.32	6.66	3.34
Volkswagen	Polo	01-02	6.22	3.07	12.60	9.54
Volkswagen	Polo	02-10	3.81	2.50	5.82	3.33

CRASHWORTHINESS RATINGS
(WITH 90% CONFIDENCE LIMITS)

New South Wales and Victoria Data (1987-2012), South Australia Data (1995-2012), Queensland Data (1991-2012), Western Australia and New Zealand Data (1991-2012)

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
ALL VEHICLE AVERAGE			**3.92**			
Small Sports Utility Vehicles			**4.37**	**4.14**	**4.62**	**0.49**
Daihatsu	Feroza / Rocky	89-97	5.37	4.35	6.63	2.28
Daihatsu	Rocky / Rugger	85-98	7.52	5.97	9.48	3.50
Daihatsu	Terios	97-05	5.44	4.51	6.56	2.05
Holden	Cruze	02-06	5.52	4.55	6.69	2.14
Hyundai	Tucson	04-10	3.93	2.87	5.38	2.51
Hyundai	ix35	10-12	3.88	1.93	7.77	5.84
Mitsubishi	Pajero iO	99-03	4.11	2.10	8.04	5.94
Mitsubishi	Outlander	03-06	3.67	2.71	4.96	2.25
Mitsubishi / Peugeot	Outlander / 4007	06-12	1.43	0.90	2.26	1.35
Kia	Sportage	98-03	3.80	2.98	4.85	1.86
Kia	Sportage KM	05-10	4.24	2.63	6.84	4.21
Nissan	X-Trail	01-07	3.18	2.77	3.65	0.88
Nissan	Dualis	07-12	3.19	1.88	5.41	3.53
Lada	Niva	84-99	4.91	3.38	7.13	3.75
Honda	HR-V	99-02	4.41	3.19	6.09	2.89
Land Rover	Freelander	98-06	4.43	3.07	6.38	3.31
Suzuki	Vitara / Escudo	88-98	6.11	5.51	6.77	1.26
Holden / Suzuki	Drover / Sierra / Samurai / SJ410 / SJ413	82-99	7.07	6.41	7.80	1.39
Suzuki	Jimny	98-10	5.10	3.89	6.69	2.80
Suzuki	SX4	07-12	3.34	2.13	5.23	3.10
Daihatsu	Feroza / Rocky	89-97	5.37	4.35	6.63	2.28
Daihatsu	Rocky / Rugger	85-98	7.52	5.97	9.48	3.50
Daihatsu	Terios	97-05	5.44	4.51	6.56	2.05
Holden	Cruze	02-06	5.52	4.55	6.69	2.14
Hyundai	Tucson	04-10	3.93	2.87	5.38	2.51
Hyundai	ix35	10-12	3.88	1.93	7.77	5.84
Mitsubishi	Pajero iO	99-03	4.11	2.10	8.04	5.94
Mitsubishi	Outlander	03-06	3.67	2.71	4.96	2.25
Mitsubishi / Peugeot	Outlander / 4007	06-12	1.43	0.90	2.26	1.35
Medium Sports Utility Vehicles			**3.07**	**2.92**	**3.22**	**0.30**
BMW	X3 E83	04-10	2.16	0.95	4.93	3.98
Daewoo / Ssangong	Musso	98-06	4.43	3.05	6.46	3.41
Holden / Isuzu	Jackaroo / Bighorn	82-91	4.16	3.30	5.24	1.95
Holden / Isuzu	Jackaroo / Bighorn	92-97	3.47	2.72	4.43	1.70

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Holden / Isuzu	Jackaroo / Bighorn	98-02	3.72	2.96	4.67	1.71
Holden	Frontera / Mu	95-03	3.54	2.54	4.92	2.38
Holden	Adventra	03-06	2.80	1.79	4.38	2.59
Holden	Captiva CG	06-12	2.11	1.55	2.87	1.32
Hyundai	Santa Fe	00-06	3.13	2.22	4.41	2.19
Hyundai	Terracan	01-07	2.02	1.15	3.55	2.41
Hyundai	Santa Fe	06-12	1.30	0.40	4.23	3.84
Mitsubishi	Pajero	82-90	5.66	4.93	6.50	1.58
Mitsubishi	Pajero	92-99	3.67	3.24	4.16	0.92
Mitsubishi	Pajero NM / NP	00-06	2.68	2.18	3.29	1.11
Mitsubishi	Pajero NS / NT / NW	07-12	1.63	0.94	2.82	1.89
Mitsubishi	Challenger	98-06	4.05	3.14	5.21	2.07
Jeep	Cherokee XJ	96-00	4.00	3.33	4.80	1.47
Jeep	Wrangler	96-04	4.09	2.95	5.67	2.73
Jeep	Cherokee KJ	01-07	2.21	1.47	3.31	1.84
Jeep	Wrangler	05-12	2.23	1.22	4.07	2.85
Land Rover	Defender	92-12	4.33	3.13	5.98	2.85
Ford / Mazda	Escape / Tribute	01-06	3.50	2.96	4.14	1.18
Mazda	CX-7	06-12	1.47	0.84	2.54	1.70
Ford / Mazda	Escape / Tribute	06-12 / 06-08	1.45	0.63	3.33	2.70
Nissan	Pathfinder / Terrano	88-94	3.30	2.60	4.18	1.58
Nissan	Pathfinder / Terrano / Regulus	95-05	2.48	1.97	3.11	1.13
Nissan	Murano	05-08	2.36	1.28	4.36	3.08
Nissan	Pathfinder	05-12	1.33	0.77	2.30	1.53
Honda	CR-V	97-01	3.14	2.70	3.66	0.96
Honda	CR-V	02-06	2.62	2.17	3.15	0.97
Honda	CR-V	07-12	3.13	2.35	4.17	1.82
Subaru	Tribeca	06-12	1.90	0.86	4.18	3.32
Subaru	Forester	08-12	2.37	1.58	3.56	1.98
Subaru	Forester	97-02	3.10	2.63	3.64	1.01
Subaru	Forester	02-08	2.68	2.26	3.18	0.92
Suzuki	Grand Vitara	99-05	3.49	2.80	4.36	1.56
Suzuki	Grand Vitara / Escudo	05-08	2.50	1.69	3.70	2.01
Suzuki	Grand Vitara JT	08-12	0.92	0.29	2.92	2.63
Toyota	RAV4	94-00	4.33	3.84	4.88	1.03
Toyota	RAV4	01-06	3.22	2.82	3.69	0.88
Lexus	RX330	03-05	2.86	1.70	4.79	3.09
Toyota	RAV4	06-12	2.71	2.22	3.31	1.08
Large Sports Utility Vehicles			**2.79**	**2.66**	**2.92**	**0.26**
BMW	X5	01-06	1.75	0.99	3.10	2.11
BMW	X5 E70	07-12	0.98	0.41	2.37	1.96
Ford	Bronco	82-87	7.00	4.32	11.35	7.03
Ford	Explorer	00-01	4.65	3.50	6.18	2.67
Ford	Explorer	01-05	2.49	1.68	3.68	2.01
Ford	Territory SX/SY	04-10	2.08	1.69	2.58	0.89
Jeep	Grand Cherokee ZG	96-99	3.35	2.22	5.05	2.83
Jeep	Grand Cherokee WG	99-05	2.21	1.41	3.45	2.04
Kia	Sorento	03-09	2.99	2.06	4.33	2.27

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Land Rover	Discovery	91-02	3.16	2.57	3.88	1.30
Land Rover	Discovery	02-04	2.29	1.09	4.77	3.68
Mazda	CX-9	07-12	0.79	0.25	2.52	2.27
Mercedes Benz	M-Class W163	98-05	2.31	1.52	3.51	1.99
Mercedes Benz	M / GL -Class W164 / X164	05-11	0.57	0.17	1.89	1.73
Nissan	Patrol / Safari	82-87	4.41	3.60	5.40	1.80
Nissan / Ford	Patrol / Maverick / Safari	88-97	3.10	2.82	3.40	0.59
Nissan	Patrol / Safari	98-12	2.59	2.31	2.90	0.58
Nissan	Patrol	12-12	3.38	1.76	6.51	4.75
Land Rover	Range Rover	82-94	3.59	2.79	4.63	1.84
Land Rover	Range Rover	95-02	2.46	1.45	4.15	2.70
Toyota	Landcruiser	82-89	5.04	4.66	5.46	0.80
Toyota	Landcruiser	90-97	3.53	3.29	3.79	0.50
Toyota	Landcruiser	98-07	2.89	2.65	3.15	0.50
Toyota	Kluger / Highlander	03-07	3.04	2.35	3.93	1.58
Toyota	Landcruiser Prado	96-03	2.70	2.23	3.27	1.03
Toyota	Landcruiser Prado	03-09	2.08	1.76	2.45	0.69
Lexus	RX270/350/400h/450h	06-12	1.31	0.60	2.85	2.25
Toyota	Kluger / Highlander	07-12	1.61	1.04	2.47	1.42
Toyota	Landcruiser 200 Series	07-12	1.34	0.83	2.15	1.32
Toyota	Landcruiser Prado	09-12	1.58	0.60	4.21	3.61
Volvo	XC90	03-12	1.70	0.86	3.36	2.50
Volkswagen	Touareg	03-10	2.82	1.35	5.87	4.52
Commercial- Utes			**3.48**	**3.34**	**3.62**	**0.27**
Ford / Nissan	Falcon Ute / XFN Ute	82-95	4.79	4.43	5.18	0.75
Ford	Falcon Ute	96-99	3.92	3.37	4.56	1.19
Ford	Falcon Ute AU	00-02	2.98	2.58	3.45	0.87
Ford	Falcon Ute BA/BF	03-08	2.66	2.31	3.07	0.76
Ford	Falcon Ute FG	08-12	2.19	1.17	4.13	2.96
Ford	Ford F-Series	82-92	3.49	2.59	4.72	2.13
Ford	F-Series	01-06	2.96	1.90	4.60	2.70
Holden	Commodore Ute VG/VP	90-93	5.22	4.45	6.12	1.67
Holden / Isuzu	Rodeo / Pickup	82-85	5.84	4.50	7.59	3.10
Holden / Isuzu	Rodeo / Pickup	86-88	3.66	2.33	5.77	3.44
Holden / Isuzu	Rodeo / Pickup	89-95	5.09	4.67	5.56	0.89
Holden	Rodeo	96-98	3.82	3.33	4.37	1.04
Holden	Rodeo	99-02	4.07	3.61	4.59	0.98
Holden	WB Series	82-85	6.20	5.25	7.31	2.05
Holden	Commodore Ute VR/VS	94-00	4.71	4.36	5.09	0.73
Holden	Commodore VU Ute	00-02	3.43	2.96	3.98	1.02
Holden	Commodore VY/VZ Ute	02-07	2.95	2.66	3.27	0.61
Holden	Rodeo	03-08	3.01	2.68	3.38	0.69
Holden	Commodore VE Ute	07-12	2.47	1.81	3.37	1.56
Holden	Colorado RC / RG	08-12	2.75	1.89	3.98	2.09
Mitsubishi	Triton MK	96-06	3.06	2.53	3.69	1.16
Mitsubishi	Triton ML / MN	06-12	2.33	1.88	2.89	1.01
Kia	Ceres	92-00	6.41	5.38	7.63	2.25
Kia	K2700	02-08	4.79	2.89	7.94	5.05

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Ford / Mazda	Courier / B-Series / Bounty	98-02	3.52	3.02	4.10	1.08
Ford / Mazda	Courier / Bravo / Bounty	03-06	3.43	2.90	4.07	1.17
Ford / Mazda	Ranger / BT-50	06-11	2.41	2.04	2.85	0.81
Nissan	720 Ute	82-85	5.49	4.60	6.56	1.96
Nissan	Navara	86-91	4.98	4.44	5.58	1.14
Nissan	Navara	92-96	4.33	3.69	5.08	1.39
Nissan	Navara	97-05	2.82	2.47	3.23	0.77
Nissan	Navara	05-12	2.49	2.01	3.09	1.08
Proton	Jumbuck	03-10	3.29	1.87	5.79	3.92
Subaru	Brumby	82-92	7.80	6.85	8.90	2.05
Suzuki	Mighty Boy	85-88	11.65	9.28	14.63	5.35
Toyota	4Runner/Hilux	82-85	5.77	5.26	6.32	1.06
Toyota	4Runner/Hilux	86-88	5.32	4.83	5.85	1.02
Toyota	4Runner/Hilux	89-97	4.67	4.44	4.91	0.47
Toyota	Hilux	98-02	3.35	3.06	3.67	0.61
Toyota	Hilux	03-04	3.11	2.67	3.62	0.95
Toyota	Hilux	05-12	2.42	2.15	2.72	0.57
Commercial - Vans			**3.92**	**3.72**	**4.12**	**0.40**
Daihatsu	Handivan	82-90	10.33	8.54	12.50	3.95
Daihatsu	Hi-Jet	82-90	14.82	10.88	20.19	9.31
Daihatsu	Handivan / Cuore	99-03	8.84	6.37	12.28	5.91
Ford	Falcon Panel Van	82-95	4.29	3.68	5.00	1.33
Ford	Falcon Panel Van	96-99	2.84	1.84	4.38	2.53
Ford	Transit	95-00	3.77	2.92	4.86	1.94
Ford	Transit	01-07	1.58	1.13	2.20	1.07
Fiat	Ducato	02-07	1.67	0.74	3.76	3.02
Holden	Shuttle / WFR Van	82-87	7.70	5.72	10.35	4.63
Hyundai	iLoad	08-12	2.16	1.23	3.82	2.59
Mitsubishi	Express	94-12	4.83	3.76	6.20	2.44
Kia	Pregio	02-06	3.99	2.99	5.33	2.34
Mercedes Benz	MB100 / MB140	99-04	2.50	1.50	4.17	2.67
Mercedes Benz	Vito	99-04	2.42	1.56	3.75	2.19
Mercedes Benz	Sprinter	98-06	2.24	1.53	3.28	1.75
Mercedes Benz	Sprinter	06-12	1.09	0.34	3.56	3.22
Mercedes Benz	Vito / Viano / Valente	04-12	2.37	1.26	4.46	3.20
Honda	Acty	83-86	4.86	3.21	7.36	4.15
Holden / Suzuki	Scurry / Carry	82-00	11.81	9.52	14.64	5.13
Suzuki	Carry	99-05	4.90	2.65	9.05	6.40
Toyota	Hiace/Liteace	82-86	7.04	6.38	7.77	1.38
Toyota	Hiace/Liteace	87-89	6.07	5.34	6.90	1.57
Toyota	Hiace/Liteace	90-95	5.42	4.90	5.99	1.08
Toyota	Hiace/Liteace	96-04	3.74	3.36	4.15	0.79
Toyota	Hiace	05-12	2.91	2.34	3.61	1.27
Volkswagen	Caravelle / Transporter	88-94	3.55	1.95	6.47	4.52
Volkswagen	Caravelle / Transporter	95-04	2.49	1.72	3.60	1.88
Volkswagen	Caddy	05-12	3.89	2.39	6.33	3.94
Large Cars			**3.66**	**3.53**	**3.79**	**0.26**

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Audi	A8	95-03	2.19	0.95	5.03	4.08
BMW	5 Series E60 / E61	03-10	1.77	0.89	3.50	2.60
BMW	5 Series E28	82-88	4.06	3.04	5.44	2.40
BMW	5 Series E34	89-95	3.67	2.81	4.78	1.97
BMW	5 Series E39	96-03	2.38	1.77	3.20	1.43
BMW	7 Series E23	82-86	3.11	1.61	5.99	4.38
BMW	7 Series E32	87-94	5.24	3.60	7.64	4.04
BMW	7 Series E38	95-01	2.05	1.07	3.94	2.88
Chrysler	300C	06-11	2.30	1.10	4.81	3.71
Ford	Falcon XE/XF	82-88	5.31	5.12	5.51	0.38
Ford	Fairlane Z & LTD F	82-87	5.10	4.62	5.62	1.00
Ford	Falcon EA / Falcon EB Series I	88-Mar 92	4.83	4.65	5.03	0.38
Ford	Falcon EB Series II / Falcon ED	Apr 92-94	4.49	4.25	4.75	0.50
Ford	Fairlane N & LTD D	88-94	3.91	3.50	4.36	0.86
Ford	Fairlane N & LTD D	95-98	4.04	3.42	4.76	1.34
Ford	Fairlane & LTD AU	99-02	3.47	2.71	4.43	1.72
Ford	Fairlane & LTD BA/BF	03-07	2.94	2.07	4.17	2.10
Ford	Falcon FG	08-12	1.94	1.53	2.46	0.93
Ford	Falcon EF/EL	94-98	4.03	3.88	4.19	0.32
Ford	Falcon AU	98-02	3.70	3.52	3.90	0.38
Ford	Taurus	96-98	4.89	3.66	6.53	2.87
Ford	Falcon BA/BF	02-08	2.90	2.73	3.08	0.35
Holden / Toyota	Commodore VN/VP / Lexcen	89-93	5.32	5.15	5.50	0.35
Holden	Statesman/Caprice WB	82-85	8.18	5.37	12.47	7.10
Holden	Stateman/Caprice VQ	90-93	5.39	4.14	7.01	2.87
Holden	Stateman/Caprice VR/VS	94-98	4.11	3.67	4.61	0.94
Holden / Toyota	Commodore VR/VS / Lexcen	93-97	4.56	4.41	4.72	0.32
Holden	Commodore VT/VX	97-02	3.78	3.63	3.93	0.29
Holden	Statesman/Caprice WH	99-03	3.58	2.92	4.39	1.47
Holden	Commodore VY/VZ	02-07	3.06	2.87	3.26	0.39
Holden	Monaro	01-05	3.56	2.79	4.56	1.77
Holden	Statesman/Caprice WK/WL	03-06	2.77	2.00	3.85	1.85
Holden	Commodore VB-VL	82-88	5.92	5.72	6.13	0.42
Holden	Commodore VE	06-12	2.67	2.42	2.95	0.53
Holden	Statesman/Caprice WM	06-12	2.32	1.23	4.36	3.13
Hyundai	Sonata	89-97	4.50	3.97	5.10	1.13
Hyundai	Grandeaur / XG	99-00	2.38	1.40	4.07	2.68
Mitsubishi	Magna TM/TN/TP / Sigma / V3000	85-90	5.63	5.37	5.90	0.53
Mitsubishi	Magna TE/TF/TH/TJ / Verada KE/KF/KH/KJ / Diamante	96-03	4.14	3.91	4.39	0.48
Mitsubishi	Magna TR/TS / Verada KR/KS / V3000 / Diamante	91-96	4.47	4.25	4.71	0.46
Mitsubishi	Magna TL/TW / Verada KL/KW	03-05	3.33	2.79	3.96	1.17
Mitsubishi	380	05-08	2.49	1.90	3.26	1.36
Jaguar	XJ6	82-86	6.46	4.32	9.66	5.34
Jaguar	XJ6	87-94	2.40	1.48	3.89	2.40
Jaguar	S-Type	99-08	1.82	0.92	3.59	2.67
Kia	Optima	01-06	2.61	1.15	5.88	4.73
Mazda	929 / Luce	82-90	5.73	5.09	6.46	1.37

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Mazda	929 / Sentia / Efini MS-9	92-96	4.82	3.07	7.58	4.51
Mercedes Benz	E-Class W123	82-85	4.16	2.66	6.51	3.85
Mercedes Benz	E-Class W124	86-94	3.62	2.83	4.63	1.79
Mercedes Benz	E-Class W210	96-02	2.75	1.97	3.83	1.86
Mercedes Benz	S-Class W126	82-92	3.78	2.82	5.06	2.25
Mercedes Benz	S-Class C140	93-98	2.78	1.47	5.23	3.76
Mercedes Benz	S-Class W220	99-06	2.03	0.86	4.79	3.93
Mercedes Benz	E-Class W211	02-09	2.30	1.36	3.91	2.55
Nissan	Skyline	83-88	5.36	4.93	5.82	0.90
Nissan	300ZX / Fairlady Z	90-95	5.03	3.81	6.65	2.84
Nissan	Maxima	90-94	4.71	3.91	5.68	1.77
Nissan	Maxima / Cefiro	95-99	4.50	3.82	5.30	1.47
Nissan	Maxima	00-02	3.94	3.02	5.14	2.13
Nissan	Maxima	06-09	2.89	2.10	3.98	1.88
Honda	Legend	86-95	3.72	2.88	4.82	1.94
Rover	3500	82-87	2.70	1.20	6.09	4.89
Saab	9-5	98-05	2.49	1.30	4.76	3.47
Toyota	Crown / Cressida / Mark II	82-85	5.72	4.94	6.63	1.69
Toyota	Crown / Cressida / Mark II	86-88	5.37	4.22	6.83	2.61
Toyota	Cressida / Mark II	89-93	3.77	3.16	4.49	1.33
Toyota	Supra	82-90	6.54	5.05	8.46	3.42
Lexus	ES300 / Windom	92-01	4.11	3.14	5.38	2.24
Lexus	LS400 / Celsior	90-00	2.39	1.31	4.39	3.08
Toyota	Avalon	00-05	3.32	2.89	3.82	0.92
Toyota	Aurion	06-12	2.28	1.80	2.89	1.09
Volvo	850/S70/V70/C70	92-99	3.63	2.97	4.43	1.46
Volvo	700/900 Series	84-92	3.33	2.69	4.12	1.43
Volvo	960/S90/V90	90-98	2.79	1.31	5.94	4.63
Volvo	S80	98-06	2.58	1.01	6.59	5.58
Volvo	V70 / XC70	00-07	1.67	0.77	3.62	2.85
Medium Cars			**3.82**	**3.69**	**3.97**	**0.28**
Alfa Romeo	164	89-92	5.13	2.67	9.84	7.16
Alfa Romeo	156	99-06	3.84	2.64	5.59	2.95
Audi	A4 / S4 B8 / AllRoad	08-12	0.92	0.28	2.98	2.70
Audi	A4	95-01	3.67	2.82	4.77	1.95
Audi	TT	99-06	2.72	1.28	5.77	4.49
Audi	A4	01-08	2.01	1.33	3.05	1.73
BMW	Z3 E36	97-03	3.24	1.98	5.29	3.31
BMW	3 Series E90 /E91 /E92 /E93	05-12	2.35	1.69	3.28	1.58
BMW	3 Series E30	82-91	4.54	4.01	5.15	1.13
BMW	3 Series E36	92-98	3.77	3.38	4.20	0.82
BMW	3 Series E46	99-06	3.39	2.93	3.93	1.00
Chrysler	PT Cruiser	00-10	1.91	0.92	3.95	3.03
Citroen	C5	01-08	2.91	1.46	5.83	4.37
Daewoo	Espero	95-97	6.90	5.62	8.49	2.87
Daewoo	Leganza	97-02	4.45	3.47	5.71	2.24
Daewoo	Tacuma	00-04	7.88	5.06	12.25	7.19
Ford	Mondeo	95-01	3.31	2.85	3.84	1.00

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Ford	Mondeo	07-12	2.62	1.62	4.24	2.62
Ford	Probe	94-98	5.94	4.06	8.70	4.64
Ford	Cougar	99-03	3.23	2.45	4.27	1.82
Holden	Calibra	94-97	4.32	3.07	6.08	3.01
Holden	Camira	82-89	6.70	6.34	7.08	0.74
Holden	Vectra	97-03	3.42	3.01	3.88	0.87
Holden	Vectra ZC	03-05	2.58	1.82	3.67	1.86
Hyundai	Sonata	98-01	4.16	3.26	5.30	2.04
Hyundai	Sonata EF	02-05	2.96	1.76	4.98	3.22
Hyundai	Tiburon	02-10	3.28	1.60	6.69	5.09
Hyundai	Sonata NF	05-10	4.05	2.49	6.57	4.07
Mitsubishi	Sigma / Galant / Sapporo / Lambda	82-84	5.93	5.56	6.33	0.76
Mitsubishi	Starion	82-87	10.36	7.36	14.59	7.24
Mitsubishi	Galant	95-96	5.03	4.33	5.86	1.53
Jaguar	X-Type	02-10	1.78	0.90	3.51	2.61
Kia	Credos	98-01	7.05	3.80	13.07	9.27
Ford / Mazda	Telstar / 626 / MX6 / Capella	83-86	5.52	5.17	5.90	0.73
Ford / Mazda	Telstar / 626 / MX6 / Capella	88-91	5.06	4.70	5.46	0.77
Ford / Mazda	Telstar / 626 / MX6 / Capella / Cronos	92-97	4.48	4.12	4.87	0.75
Mazda	626	98-02	3.68	3.15	4.29	1.14
Mazda	RX7	82-85	6.26	4.81	8.14	3.34
Mazda	RX7	86-91	5.02	3.64	6.90	3.26
Mazda	Eunos 500	93-99	3.96	2.55	6.16	3.61
Mazda	Eunos 800	94-00	3.53	1.76	7.09	5.33
Mazda	6 / Atenza	02-07	2.65	2.26	3.10	0.84
Mazda	RX-8	03-11	0.75	0.29	1.96	1.68
Mazda	6 / Atenza	08-11	2.58	1.67	3.98	2.31
Mercedes Benz	C-Class W201	87-93	4.97	3.92	6.29	2.38
Mercedes Benz	C-Class W202	95-00	3.22	2.57	4.03	1.46
Mercedes Benz	CLK C208	97-03	4.94	3.15	7.72	4.57
Mercedes Benz	SLK R170	97-04	2.42	1.09	5.37	4.28
Mercedes Benz	C-Class W203	00-07	3.04	2.34	3.96	1.62
Mercedes Benz	CLK C209	03-09	1.93	0.99	3.77	2.78
Mercedes Benz	C-Class W204 / C204	07-12	2.21	1.38	3.53	2.16
Nissan	Pintara	86-88	5.40	4.89	5.95	1.06
Nissan / Ford	Pintara / Corsair / Bluebird	89-92	5.85	5.47	6.26	0.79
Nissan	Bluebird	82-86	6.61	6.22	7.02	0.80
Nissan	280ZX	82-84	6.22	3.44	11.26	7.83
Nissan	Bluebird	93-97	4.00	3.49	4.57	1.08
Nissan	200SX / Silvia	94-02	4.03	3.29	4.95	1.66
Nissan	350Z / Fairlady	03-09	4.45	2.93	6.77	3.84
Honda	Accord Euro	03-08	2.84	2.31	3.49	1.18
Honda	Accord	03-07	2.32	1.76	3.06	1.30
Honda	Accord	82-85	6.42	5.74	7.18	1.45
Honda	Accord	86-90	4.67	4.14	5.28	1.14
Honda	Accord	91-93	4.04	3.43	4.76	1.33
Honda	Accord	94-98	3.93	3.49	4.42	0.94
Honda	Accord	99-02	2.84	2.18	3.70	1.52
Honda	Accord	08-12	3.11	2.04	4.73	2.68

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Honda	Accord Euro	08-12	2.49	1.39	4.45	3.06
Honda	Prelude	82-82	4.34	2.30	8.18	5.88
Honda	Prelude	83-91	5.49	4.99	6.05	1.07
Honda	Prelude	92-96	4.78	4.06	5.62	1.56
Honda	Prelude	97-02	2.87	2.10	3.94	1.84
Peugeot	407	04-11	1.19	0.51	2.74	2.23
Peugeot	405	89-97	4.21	3.21	5.54	2.34
Peugeot	505	82-93	3.33	2.43	4.58	2.15
Peugeot	406	96-04	2.69	1.71	4.22	2.51
Porsche	944	82-91	6.51	3.44	12.34	8.90
Renault	Feugo	82-87	4.75	3.11	7.25	4.14
Rover	75	01-05	3.12	1.52	6.39	4.87
Saab	900 Series	82-92	4.64	3.67	5.85	2.18
Saab	900/9-3	94-02	2.86	2.21	3.69	1.48
Saab	9000	86-97	2.64	1.92	3.64	1.72
Saab	9-3	03-11	3.31	2.05	5.35	3.30
Subaru	1800 / Leone / Omega / 4WD Wagon	82-93	5.84	5.39	6.34	0.95
Subaru	Liberty / Legacy	89-93	4.64	4.26	5.06	0.81
Subaru	Liberty / Legacy / Outback	94-98	3.84	3.43	4.31	0.88
Subaru	Liberty / Legacy / Outback	99-03	2.99	2.61	3.43	0.82
Subaru	Liberty / Legacy / Outback	03-09	2.94	2.47	3.50	1.03
Toyota	Corona	82-88	6.09	5.76	6.43	0.67
Toyota	Camry	83-86	5.98	5.29	6.75	1.46
Holden / Toyota	Apollo JK/JL / Camry / Vista	88-92	4.82	4.61	5.04	0.43
Holden / Toyota	Apollo JM/JP / Camry / Sceptor	93-97	5.19	4.94	5.45	0.50
Toyota	Camry	98-02	3.81	3.58	4.06	0.48
Toyota	Celica	81-85	5.27	4.55	6.10	1.55
Toyota	Celica	86-89	5.22	4.46	6.10	1.64
Toyota	Celica	90-93	5.33	4.64	6.11	1.47
Toyota	Celica	94-99	4.36	3.61	5.25	1.64
Toyota	Celica	00-05	3.40	2.40	4.82	2.42
Lexus	IS200 / IS300	99-04	1.69	1.01	2.83	1.82
Toyota	Camry	02-06	3.09	2.82	3.39	0.57
Lexus	IS350 / IS250 / IS F	05-12	2.18	1.28	3.70	2.43
Toyota	Camry	06-11	2.59	2.21	3.03	0.82
Volvo	200 Series	82-93	4.09	3.48	4.79	1.31
Volvo	S60	01-09	1.63	0.73	3.68	2.95
Volvo	S40/V50	04-12	0.67	0.13	3.45	3.32
Volkswagen	Passat	98-06	2.39	1.61	3.56	1.94
Volkswagen	Passat	06-12	1.46	0.70	3.04	2.34
People Movers			**4.10**	**3.89**	**4.32**	**0.43**
Chrysler	Voyager	97-01	2.54	1.60	4.04	2.44
Chrysler	Grand Voyager RG	01-07	1.47	0.45	4.79	4.33
Holden	Zafira TT	01-05	2.93	1.87	4.60	2.73
Hyundai	Trajet	00-07	3.42	1.55	7.56	6.01
Mitsubishi	Nimbus / Chariot / Spacewagon	85-91	5.47	4.22	7.10	2.88
Mitsubishi	Nimbus / Chariot	92-98	5.00	4.01	6.22	2.21

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Mitsubishi	Nimbus	99-03	3.14	2.01	4.91	2.90
Mitsubishi	Starwagon / L300	83-86	9.04	8.12	10.06	1.94
Mitsubishi	Starwagon / Delica Starwagon	87-93	6.25	5.69	6.85	1.16
Mitsubishi	Starwagon / Delica Spacegear	95-03	4.98	4.22	5.88	1.65
Mitsubishi	Grandis	04-10	2.78	1.33	5.81	4.48
Kia	Carens	00-02	7.13	3.60	14.12	10.51
Kia	Carnival	99-06	2.85	2.23	3.63	1.39
Kia	Carnival	06-11	1.66	1.00	2.76	1.76
Mazda	MPV	94-99	2.28	1.24	4.21	2.97
Mazda	MPV	00-06	2.44	1.24	4.80	3.56
Nissan	Prairie	84-86	5.82	4.36	7.77	3.41
Nissan	Serena	92-95	3.42	2.29	5.10	2.82
Honda	Odyssey	95-00	3.01	2.34	3.88	1.54
Honda	Odyssey	00-02	3.74	2.34	5.97	3.62
Honda	Odyssey	04-09	1.80	1.08	3.00	1.92
Toyota	Tarago	83-89	7.23	6.57	7.96	1.40
Toyota	Tarago / Previa / Estima	91-99	3.68	3.16	4.27	1.11
Toyota	Tarago / Previa / Estima	00-06	2.81	2.15	3.67	1.52
Toyota	Spacia	93-00	4.19	2.52	6.98	4.46
Toyota	Avensis Verso	01-10	3.97	2.45	6.44	4.00
Toyota	Tarago	06-12	2.58	1.57	4.21	2.64
Small Cars			**4.49**	**4.33**	**4.65**	**0.32**
Alfa Romeo	33	83-92	5.78	4.35	7.68	3.34
Alfa Romeo	75	86-92	3.76	1.74	8.13	6.39
Alfa Romeo	GTV	82-84	8.51	5.18	13.98	8.80
Alfa Romeo	Sprint	82-88	5.71	3.00	10.89	7.89
Alfa Romeo	Alfasud	82-84	7.85	4.23	14.56	10.33
Alfa Romeo	147 / GT	01-10	2.74	1.55	4.84	3.29
Audi	A3	04-12	2.27	1.16	4.43	3.27
Audi	A3/S3	97-04	2.60	1.61	4.20	2.59
BMW	1 Series E81 / E82 / E87 / E88	04-12	2.92	1.94	4.39	2.45
Chrysler	Neon	96-99	5.08	3.74	6.90	3.16
Chrysler	Neon	00-02	5.33	3.05	9.31	6.25
Citroen	BX	86-94	1.07	0.40	2.87	2.46
Citroen	C4	05-10	3.82	2.03	7.17	5.13
Citroen	Xsara	00-05	3.11	1.26	7.69	6.43
Daihatsu	Applause	89-99	5.95	5.23	6.75	1.52
Daewoo	1.5i	94-95	7.60	4.57	12.66	8.10
Daewoo	Cielo	95-97	5.73	5.15	6.37	1.22
Daewoo	Nubira	97-03	4.38	3.85	4.97	1.12
Daewoo	Lanos	97-03	5.92	5.42	6.46	1.04
Daewoo	Lacetti	03-04	3.61	2.09	6.23	4.14
Ford	Laser	91-94	5.69	5.39	6.02	0.63
Ford	Laser	95-97	5.34	4.85	5.87	1.01
Ford	Capri	89-94	7.02	5.99	8.22	2.23
Ford	Focus LR	02-05	3.51	2.96	4.14	1.18
Ford	Focus LS / LT	05-09	3.25	2.76	3.82	1.06
Ford	Focus LV	09-12	2.53	1.55	4.12	2.57

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Fiat	Regata	84-88	5.81	3.41	9.89	6.48
Holden	Gemini	82-84	6.79	6.25	7.38	1.13
Holden	Gemini RB	86-87	7.06	5.86	8.49	2.63
Holden	Astra TR	96-98	4.17	3.42	5.09	1.67
Holden	Astra TS	98-06	3.48	3.23	3.76	0.53
Holden	Astra AH	04-09	3.21	2.75	3.74	0.99
Holden	Viva JF	05-09	3.93	3.22	4.80	1.57
Holden	Cruze JG / JH	09-12	2.11	1.51	2.96	1.45
Hyundai	Excel	86-90	7.88	7.13	8.72	1.59
Hyundai	Excel	90-94	7.09	6.63	7.57	0.94
Hyundai	Excel / Accent	95-00	6.37	6.10	6.65	0.55
Hyundai	Elantra	00-06	4.47	3.94	5.07	1.13
Hyundai	Accent	06-09	3.29	2.13	5.09	2.95
Hyundai	i30	07-12	3.12	2.46	3.97	1.52
Hyundai	S Coupe	90-96	7.02	5.87	8.39	2.52
Hyundai	Lantra	91-95	6.17	5.34	7.13	1.79
Hyundai	Lantra	96-00	5.37	4.87	5.93	1.06
Hyundai	Coupe	96-00	5.44	4.34	6.83	2.49
Hyundai	Accent	00-06	5.37	4.90	5.87	0.97
Mitsubishi	Lancer / Mirage CA	89-90	5.42	4.95	5.94	0.98
Mitsubishi	Lancer / Mirage CB	91-92	6.50	5.40	7.82	2.42
Mitsubishi	Lancer / Mirage CC	93-95	5.52	5.10	5.97	0.86
Mitsubishi	Lancer / Mirage CE	96-03	5.22	4.96	5.50	0.55
Mitsubishi	Cordia	83-87	7.49	6.56	8.56	2.00
Mitsubishi	Lancer CE / CG / Cedia	02-03	10.41	6.39	16.94	10.55
Mitsubishi	Lancer CH	03-07	4.20	3.72	4.74	1.02
Mitsubishi	Lancer CJ	08-12	3.23	2.55	4.11	1.56
Kia	Rio	00-05	5.12	4.54	5.77	1.23
Kia	Spectra	01-04	5.26	3.75	7.37	3.62
Kia	Cerato LD	04-08	3.95	3.04	5.14	2.09
Kia	Rio JB	05-11	4.88	4.12	5.77	1.64
Kia	Cerato TD	09-12	4.48	2.15	9.33	7.18
Ford / Mazda	Laser / 323 / Familia	82-88	7.04	6.81	7.28	0.47
Mazda	323 / Familia / Lantis	90-93	5.44	5.01	5.92	0.91
Mazda	323 / Familia / Lantis	95-98	5.27	4.81	5.77	0.97
Ford / Mazda	Laser / 323	99-03	3.85	3.53	4.21	0.68
Mazda	MX5 / Eunos Roadster	89-97	5.39	3.84	7.56	3.72
Mazda	MX5 / Eunos Roadster	98-05	3.94	2.69	5.75	3.06
Mazda	Eunos 30X / Presso / MX-3 / Autozam AZ-3	90-97	4.78	3.51	6.52	3.01
Mazda	3 / Axela	03-09	3.08	2.79	3.40	0.61
Mazda	MX-5	05-12	4.34	2.30	8.22	5.92
Mazda	3 / Axela	09-12	2.99	2.32	3.86	1.54
Mercedes Benz	A-Class W168	98-04	4.51	3.03	6.72	3.69
Mercedes Benz	A-Class W169	05-09	3.74	1.75	8.01	6.27
Mercedes Benz	B-Class W245	05-12	2.74	1.38	5.45	4.07
Holden / Nissan	Astra / Pulsar / Langley	84-86	7.48	7.03	7.96	0.93
Holden / Nissan	Astra / Pulsar / Vector / Sentra	88-90	6.40	6.05	6.77	0.72
Nissan	Pulsar / Vector / Sentra	92-95	4.80	4.43	5.19	0.75
Nissan	Pulsar / Vector / Sentra	96-99	5.02	4.68	5.40	0.72

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Nissan	Pulsar / Bluebird Sylphy	00-05	4.58	4.26	4.94	0.68
Nissan	Stanza	82-83	5.46	3.86	7.71	3.85
Nissan	Gazelle / Silvia	84-86	7.49	6.20	9.04	2.85
Nissan	Exa	83-86	9.32	7.22	12.04	4.82
Nissan	Exa	87-91	7.25	5.00	10.50	5.49
Nissan	NX/NX-R	91-96	7.68	6.33	9.31	2.97
Nissan	Tiida	06-12	4.50	3.47	5.82	2.35
Honda	Civic	82-83	6.89	5.80	8.18	2.38
Honda	Civic / Ballade / Shuttle	84-87	7.63	6.93	8.41	1.47
Honda	Civic / Shuttle	88-91	5.83	5.35	6.35	1.00
Honda	Civic	92-95	5.11	4.66	5.61	0.96
Honda	Civic	96-00	4.58	4.15	5.07	0.92
Honda	CRX	87-91	8.29	6.76	10.17	3.41
Honda	CRX	92-98	5.32	3.62	7.83	4.21
Honda	S2000	99-09	2.06	1.03	4.11	3.09
Honda	Civic	01-05	3.52	2.95	4.19	1.24
Honda	Civic	06-11	2.75	2.23	3.39	1.16
Honda	Integra	86-88	6.36	5.25	7.71	2.46
Honda	Integra	90-92	5.44	4.48	6.61	2.13
Honda	Integra	93-01	4.65	3.89	5.55	1.67
Honda	Integra	02-06	3.74	2.39	5.87	3.48
Honda	Concerto	89-93	5.19	4.15	6.50	2.36
Peugeot	308	08-12	3.10	1.71	5.62	3.92
Peugeot	306	94-01	3.40	2.74	4.22	1.47
Peugeot	307	01-09	1.68	1.17	2.41	1.25
Proton	Wira	95-96	5.75	4.83	6.84	2.00
Proton	Gen 2	04-12	6.62	4.32	10.13	5.81
Renault	Megane II	03-10	4.08	2.25	7.37	5.12
Renault	19	91-96	4.53	2.80	7.32	4.52
Renault	Scenic	01-04	3.16	1.85	5.41	3.57
Rover	Quintet	82-86	6.29	4.32	9.15	4.83
MG	MGF / MG TF	99-05	3.71	2.28	6.03	3.75
Subaru	Impreza	93-00	5.44	4.98	5.93	0.94
Subaru	Impreza	01-07	3.17	2.75	3.65	0.90
Subaru	Impreza	07-11	2.57	1.77	3.72	1.94
Suzuki	Baleno / Cultus Crescent	95-02	5.16	4.37	6.09	1.72
Suzuki	Liana	01-07	3.57	2.63	4.84	2.20
Toyota	Corolla	82-84	6.76	6.34	7.20	0.86
Toyota	Corolla	86-88	6.29	5.97	6.63	0.66
Toyota / Holden	Corolla / Nova	89-93	5.66	5.43	5.91	0.48
Toyota / Holden	Corolla / Nova	94-97	5.08	4.82	5.35	0.53
Toyota	Corolla / Allex	98-01	3.66	3.34	4.01	0.67
Toyota	Corolla	02-07	3.78	3.53	4.03	0.50
Toyota	Corolla	07-12	3.20	2.83	3.63	0.80
Toyota	Tercel	83-88	5.99	4.58	7.83	3.24
Toyota	MR2	87-90	7.78	5.91	10.23	4.32
Toyota	MR2	91-00	4.98	3.46	7.17	3.71
Toyota	Paseo / Cynos	91-99	5.23	4.39	6.23	1.83
Toyota	MR2	00-05	5.79	2.73	12.27	9.54
Toyota	Corolla 4WD Wagon	92-96	4.17	2.84	6.13	3.29

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Toyota	Prius II	03-09	1.99	1.30	3.06	1.76
Volvo	300 Series	84-88	6.38	4.06	10.04	5.98
Volvo	S40/V40	97-04	2.29	1.61	3.24	1.62
Volkswagen	Golf	82-94	7.49	5.24	10.70	5.46
Volkswagen	Golf	95-98	3.83	2.95	4.96	2.02
Volkswagen	Golf / Bora	99-04	2.76	2.28	3.35	1.06
Volkswagen	New Beetle	00-11	3.21	2.19	4.70	2.51
Volkswagen	Golf / Jetta	04-09	2.38	1.92	2.95	1.03
Light Cars			**5.34**	**5.15**	**5.54**	**0.40**
Mini	Mini Cooper	02-12	2.71	1.84	3.99	2.16
Citroen	C3	02-10	2.88	1.39	5.99	4.60
Daihatsu	Charade	82-86	9.85	8.82	10.99	2.17
Daihatsu	Charade	88-92	7.55	6.98	8.16	1.18
Daihatsu	Charade	93-00	7.65	7.04	8.32	1.28
Daihatsu	Pyzar	97-01	5.72	4.03	8.13	4.10
Daihatsu	Move	97-99	5.79	3.17	10.56	7.39
Daihatsu	Sirion / Storia	98-04	5.69	4.88	6.63	1.75
Daihatsu	Charade	03-05	7.58	4.64	12.37	7.73
Daihatsu	Mira	90-96	11.31	9.64	13.26	3.63
Daewoo	Matiz	99-04	6.37	5.31	7.65	2.34
Daewoo	Kalos	03-04	5.81	4.46	7.59	3.13
Ford	Festiva WD/WH/WF	94-01	7.13	6.78	7.51	0.73
Ford	Ka	99-02	6.17	4.84	7.87	3.03
Ford	Fiesta WP/WQ	04-08	3.80	2.59	5.57	2.99
Ford	Fiesta WS	09-12	3.12	2.11	4.62	2.51
Holden	Barina XC / Combo	01-12	3.81	3.34	4.34	1.00
Holden	Barina SB	95-00	5.34	4.91	5.82	0.91
Holden	Barina TK	05-11	4.36	3.80	5.01	1.20
Hyundai	Getz / TB	02-11	4.95	4.55	5.39	0.84
Mitsubishi	Mirage / Colt	82-88	7.23	6.83	7.65	0.82
Mitsubishi	Colt	04-11	4.79	3.77	6.08	2.32
Ford / Mazda	Festiva WA / 121	87-90	7.48	6.96	8.04	1.07
Mazda	121 / Autozam Review	94-96	6.53	5.89	7.25	1.35
Mazda	121 Metro / Demio	97-02	5.37	4.78	6.04	1.27
Mazda	2 / Demio	02-07	4.94	4.16	5.86	1.71
Mazda	2 / Demio	07-12	3.76	3.06	4.63	1.58
Nissan	Micra	95-97	7.09	5.83	8.62	2.80
Honda	Jazz / Fit	02-08	3.65	3.14	4.25	1.11
Honda	Jazz GE / Fit	08-12	4.41	3.22	6.03	2.81
Honda	City	83-86	9.09	7.72	10.70	2.98
Honda	City	09-12	1.80	0.78	4.16	3.38
Peugeot	205	87-94	5.01	3.36	7.46	4.09
Peugeot	207	07-12	1.86	0.82	4.21	3.39
Peugeot	206	99-07	4.69	3.71	5.93	2.22
Proton	Satria	97-05	3.60	1.97	6.58	4.61
Proton	Savvy	06-11	3.29	1.63	6.65	5.02
Renault	Clio	01-08	6.09	4.14	8.96	4.82
Subaru	Sherpa / Fiori / 700 / Rex	89-92	11.34	9.61	13.37	3.76

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Suzuki	Swift	82-85	9.60	6.79	13.58	6.79
Holden / Suzuki	Barina / Swift / Cultus	86-88	9.26	8.51	10.07	1.56
Holden / Suzuki	Barina / Swift / Cultus	89-99	7.01	6.66	7.37	0.71
Suzuki	Hatch / Alto	82-84	11.67	9.95	13.70	3.76
Suzuki	Alto	85-00	11.07	8.88	13.81	4.93
Suzuki	Ignis	00-02	6.78	5.46	8.43	2.97
Suzuki	Swift	05-10	4.14	3.66	4.68	1.03
Suzuki	Alto	09-12	5.83	3.29	10.32	7.03
Suzuki	Swift	11-12	8.93	5.32	14.98	9.66
Toyota	Starlet	96-99	6.39	5.84	6.99	1.16
Toyota	Echo	99-05	5.03	4.66	5.44	0.78
Toyota	Yaris / Vitz	05-11	3.45	3.06	3.89	0.83
Toyota	Yaris / Vitz	11-12	3.30	2.35	4.64	2.29
Volkswagen	Polo	96-00	4.70	3.51	6.29	2.78
Volkswagen	Polo	01-02	6.22	3.44	11.23	7.79
Volkswagen	Polo	02-10	3.81	2.67	5.43	2.76

APPENDIX 5

AGGRESSIVITY INJURY RISK AGGRESSIVITY INJURY SEVERITY AND RATINGS OF VEHICLE AGGRESSIVITY (with 95% and 90% CONFIDENCE LIMITS), TOWARDS OTHER VEHICLE DRIVERS AND UNPROTECTED ROAD USERS

AGGRESSIVITY INJURY RISK RATINGS

New South Wales Data (1987-2012), South Australia Data (1995-2012), Queensland Data (1991-2012) and Western Australia Data (1991-2012)

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
ALL VEHICLE AVERAGE			**16.22**			
Small Sports Utility Vehicles			**15.30**	**14.50**	**16.14**	**1.65**
Daihatsu	Feroza / Rocky	89-97	19.57	16.58	22.95	6.37
Daihatsu	Rocky / Rugger	85-98	18.92	14.52	24.28	9.76
Daihatsu	Terios	97-05	14.88	12.07	18.20	6.13
Holden	Cruze	02-06	15.66	12.70	19.15	6.45
Hyundai	Tucson	04-10	15.75	12.38	19.82	7.44
Hyundai	ix35	10-12	13.78	8.05	22.57	14.52
Mitsubishi	Outlander	03-06	14.05	10.92	17.91	6.99
Mitsubishi / Peugeot	Outlander / 4007	06-12	17.49	14.10	21.50	7.39
Kia	Sportage	98-03	20.55	17.40	24.09	6.69
Kia	Sportage KM	05-10	18.67	12.81	26.40	13.59
Nissan	X-Trail	01-07	15.91	14.22	17.75	3.54
Nissan	Dualis	07-12	14.30	9.20	21.55	12.35
Lada	Niva	84-99	18.04	13.74	23.32	9.58
Honda	HR-V	99-02	16.68	13.15	20.93	7.78
Land Rover	Freelander	98-06	22.61	17.05	29.35	12.30
Suzuki	Vitara / Escudo	88-98	17.70	16.14	19.37	3.24
Holden / Suzuki	Drover / Sierra / Samurai / SJ410 / SJ413	82-99	16.05	14.56	17.66	3.10
Suzuki	Jimny	98-10	17.45	13.22	22.68	9.45
Suzuki	SX4	07-12	11.67	7.65	17.41	9.76
Medium Sports Utility Vehicles			**16.50**	**15.77**	**17.24**	**1.47**
Daewoo / Ssangong	Musso	98-06	13.23	9.25	18.58	9.33
Holden / Isuzu	Jackaroo / Bighorn	82-91	22.16	18.88	25.83	6.94
Holden / Isuzu	Jackaroo / Bighorn	92-97	20.08	17.04	23.50	6.46
Holden / Isuzu	Jackaroo / Bighorn	98-02	21.90	18.85	25.30	6.45
Holden	Frontera / Mu	95-03	17.84	13.95	22.52	8.57
Holden	Adventra	03-06	18.42	13.95	23.93	9.98
Holden	Captiva CG	06-12	17.69	14.86	20.92	6.06
Hyundai	Santa Fe	00-06	21.64	17.43	26.54	9.11
Hyundai	Terracan	01-07	21.02	15.68	27.57	11.89
Mitsubishi	Pajero	82-90	21.20	18.95	23.64	4.69
Mitsubishi	Pajero	92-99	20.58	19.06	22.19	3.13
Mitsubishi	Pajero NM / NP	00-06	19.75	17.53	22.19	4.66
Mitsubishi	Pajero NS / NT / NW	07-12	20.20	15.42	26.01	10.58
Mitsubishi	Challenger	98-06	23.14	19.36	27.39	8.03
Jeep	Cherokee XJ	96-00	20.45	18.16	22.95	4.79
Jeep	Wrangler	96-04	23.53	19.38	28.26	8.88
Jeep	Cherokee KJ	01-07	21.10	17.01	25.87	8.87
Jeep	Wrangler	05-12	17.88	12.39	25.11	12.72
Land Rover	Defender	92-12	19.17	14.69	24.63	9.94

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Ford / Mazda	Escape / Tribute	01-06	17.23	15.06	19.64	4.58
Mazda	CX-7	06-12	18.62	13.88	24.51	10.63
Ford / Mazda	Escape / Tribute	06-12 / 06-08	11.00	6.66	17.63	10.96
Nissan	Pathfinder / Terrano	88-94	23.83	19.85	28.32	8.47
Nissan	Pathfinder / Terrano / Regulus	95-05	19.41	16.64	22.53	5.89
Nissan	Murano	05-08	19.02	12.74	27.42	14.69
Nissan	Pathfinder	05-12	18.18	13.64	23.81	10.17
Honda	CR-V	97-01	15.34	13.66	17.18	3.52
Honda	CR-V	02-06	14.48	12.70	16.46	3.77
Honda	CR-V	07-12	15.52	12.26	19.47	7.21
Subaru	Tribeca	06-12	18.99	12.90	27.05	14.14
Subaru	Forester	08-12	15.11	11.80	19.14	7.34
Subaru	Forester	97-02	14.99	13.01	17.21	4.21
Subaru	Forester	02-08	15.43	13.55	17.52	3.98
Suzuki	Grand Vitara	99-05	18.19	15.10	21.76	6.66
Suzuki	Grand Vitara / Escudo	05-08	17.00	12.77	22.28	9.51
Suzuki	Grand Vitara JT	08-12	21.05	14.04	30.33	16.29
Toyota	RAV4	94-00	17.24	15.65	18.96	3.30
Toyota	RAV4	01-06	17.15	15.48	18.96	3.48
Lexus	RX330	03-05	13.53	8.92	20.01	11.10
Toyota	RAV4	06-12	12.77	10.97	14.81	3.84
Large Sports Utility Vehicles			**19.83**	**19.05**	**20.65**	**1.60**
Ford	Bronco	82-87	27.83	20.20	37.01	16.81
Ford	Explorer	00-01	21.13	16.68	26.40	9.71
Ford	Explorer	01-05	16.47	12.08	22.04	9.96
Ford	Territory SX/SY	04-10	17.05	13.07	21.94	8.87
Jeep	Grand Cherokee ZG	96-99	21.29	16.62	26.85	10.23
Jeep	Grand Cherokee WG	99-05	16.98	13.20	21.57	8.36
Kia	Sorento	03-09	19.50	14.80	25.25	10.46
Land Rover	Discovery	91-02	19.88	17.15	22.92	5.77
Mercedes Benz	M-Class W163	98-05	22.49	17.81	27.97	10.16
Mercedes Benz	M / GL -Class W164 / X164	05-11	22.46	15.60	31.23	15.63
Nissan	Patrol / Safari	82-87	24.10	21.37	27.06	5.68
Nissan / Ford	Patrol / Maverick / Safari	88-97	21.66	20.57	22.78	2.21
Nissan	Patrol / Safari	98-12	21.67	20.36	23.04	2.68
Land Rover	Range Rover	82-94	24.20	20.54	28.27	7.73
Land Rover	Range Rover	95-02	15.44	10.10	22.86	12.76
Toyota	Landcruiser	82-89	22.96	21.78	24.18	2.40
Toyota	Landcruiser	90-97	22.82	21.91	23.76	1.85
Toyota	Landcruiser	98-07	21.01	19.87	22.20	2.32
Toyota	Kluger / Highlander	03-07	17.76	14.77	21.21	6.44
Toyota	Landcruiser Prado	96-03	23.55	20.94	26.38	5.45
Toyota	Landcruiser Prado	03-09	20.01	18.25	21.89	3.65
Toyota	Kluger / Highlander	07-12	14.44	11.63	17.79	6.16
Toyota	Landcruiser 200 Series	07-12	23.88	19.19	29.29	10.09
Volvo	XC90	03-12	17.30	11.63	24.96	13.33
Commercial - Utes			**17.50**	**16.83**	**18.20**	**1.38**
Ford / Nissan	Falcon Ute / XFN Ute	82-95	19.97	18.91	21.08	2.17
Ford	Falcon Ute	96-99	20.53	18.60	22.60	4.00
Ford	Falcon Ute AU	00-02	20.71	18.99	22.55	3.55

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Ford	Falcon Ute BA/BF	03-08	18.25	16.68	19.93	3.26
Ford	Ford F-Series	82-92	23.20	20.21	26.49	6.28
Ford	F-Series	01-06	23.58	18.49	29.56	11.07
Holden	Commodore Ute VG/VP	90-93	16.40	14.18	18.90	4.72
Holden / Isuzu	Rodeo / Pickup	82-85	17.26	13.65	21.58	7.93
Holden / Isuzu	Rodeo / Pickup	86-88	19.70	15.41	24.85	9.44
Holden / Isuzu	Rodeo / Pickup	89-95	19.93	18.77	21.14	2.37
Holden	Rodeo	96-98	19.16	17.57	20.87	3.30
Holden	Rodeo	99-02	20.38	18.80	22.06	3.26
Holden	WB Series	82-85	19.62	17.25	22.22	4.97
Holden	Commodore Ute VR/VS	94-00	18.11	17.05	19.23	2.17
Holden	Commodore VU Ute	00-02	18.20	16.29	20.28	3.99
Holden	Commodore VY/VZ Ute	02-07	17.45	16.23	18.74	2.51
Holden	Rodeo	03-08	21.42	20.08	22.82	2.73
Holden	Commodore VE Ute	07-12	16.38	13.47	19.77	6.30
Holden	Colorado RC / RG	08-12	20.86	16.92	25.44	8.52
Mitsubishi	Triton MK	96-06	19.34	17.49	21.34	3.85
Mitsubishi	Triton ML / MN	06-12	18.26	15.94	20.84	4.90
Kia	Ceres	92-00	14.41	12.17	16.97	4.80
Kia	K2700	02-08	15.04	10.06	21.88	11.82
Ford / Mazda	Courier / B-Series / Bounty	98-02	17.97	16.15	19.94	3.79
Ford / Mazda	Courier / Bravo / Bounty	03-06	17.76	15.79	19.91	4.12
Ford / Mazda	Ranger / BT-50	06-11	16.45	14.68	18.39	3.71
Nissan	720 Ute	82-85	19.03	16.40	21.96	5.56
Nissan	Navara	86-91	19.77	18.15	21.49	3.34
Nissan	Navara	92-96	20.77	18.66	23.06	4.39
Nissan	Navara	97-05	19.74	18.21	21.37	3.16
Nissan	Navara	05-12	17.75	15.49	20.25	4.76
Proton	Jumbuck	03-10	13.32	8.83	19.60	10.77
Subaru	Brumby	82-92	15.56	13.06	18.44	5.37
Suzuki	Mighty Boy	85-88	10.51	6.84	15.82	8.97
Toyota	4Runner/Hilux	82-85	20.86	19.27	22.56	3.29
Toyota	4Runner/Hilux	86-88	19.85	18.18	21.62	3.44
Toyota	4Runner/Hilux	89-97	19.91	19.17	20.67	1.51
Toyota	Hilux	98-02	19.65	18.56	20.80	2.24
Toyota	Hilux	03-04	18.76	17.04	20.61	3.57
Toyota	Hilux	05-12	17.79	16.61	19.05	2.44
Commercial - Vans			**19.27**	**18.42**	**20.15**	**1.73**
Daihatsu	Handivan	82-90	9.19	6.69	12.48	5.78
Daihatsu	Handivan / Cuore	99-03	8.74	5.48	13.68	8.20
Ford	Falcon Panel Van	82-95	17.45	15.82	19.21	3.39
Ford	Falcon Panel Van	96-99	17.56	13.76	22.15	8.39
Ford	Transit	95-00	22.81	19.93	25.97	6.04
Ford	Transit	01-07	20.20	17.22	23.54	6.32
Holden	Shuttle / WFR Van	82-87	22.38	17.54	28.10	10.56
Hyundai	iLoad	08-12	10.67	6.77	16.43	9.66
Mitsubishi	Express	94-12	21.10	17.01	25.88	8.88
Kia	Pregio	02-06	23.08	19.83	26.68	6.85
Mercedes Benz	MB100 / MB140	99-04	19.46	15.25	24.49	9.24
Mercedes Benz	Vito	99-04	23.34	19.22	28.03	8.82
Mercedes Benz	Sprinter	98-06	21.42	17.61	25.80	8.19
Mercedes Benz	Vito / Viano / Valente	04-12	15.93	10.13	24.16	14.03

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Honda	Acty	83-86	13.31	8.30	20.66	12.36
Holden / Suzuki	Scurry / Carry	82-00	13.08	8.94	18.74	9.80
Toyota	Hiace/Liteace	82-86	22.05	20.16	24.05	3.89
Toyota	Hiace/Liteace	87-89	22.33	19.92	24.94	5.02
Toyota	Hiace/Liteace	90-95	24.36	22.83	25.96	3.13
Toyota	Hiace/Liteace	96-04	22.14	20.81	23.54	2.73
Toyota	Hiace	05-12	21.46	18.48	24.78	6.30
Volkswagen	Caravelle / Transporter	88-94	21.86	16.34	28.61	12.27
Volkswagen	Caravelle / Transporter	95-04	24.49	21.15	28.17	7.02
Volkswagen	Caddy	05-12	20.66	15.19	27.47	12.28
Large Cars			**15.96**	**15.35**	**16.58**	**1.22**
BMW	5 Series E60 / E61	03-10	15.72	11.08	21.83	10.75
BMW	5 Series E28	82-88	17.94	14.56	21.91	7.35
BMW	5 Series E34	89-95	15.46	12.45	19.04	6.58
BMW	5 Series E39	96-03	15.84	13.05	19.09	6.04
BMW	7 Series E23	82-86	17.61	11.63	25.78	14.15
BMW	7 Series E32	87-94	18.96	13.16	26.54	13.38
BMW	7 Series E38	95-01	24.08	17.26	32.53	15.27
Chrysler	300C	06-11	14.51	9.14	22.27	13.13
Ford	Falcon XE/XF	82-88	18.35	17.81	18.89	1.08
Ford	Fairlane Z & LTD F	82-87	17.69	16.34	19.12	2.77
Ford	Falcon EA / Falcon EB Series I	88-Mar 92	18.03	17.51	18.57	1.06
Ford	Falcon EB Series II / Falcon ED	Apr 92-94	18.23	17.51	18.97	1.46
Ford	Fairlane N & LTD D	88-94	16.47	15.08	17.96	2.88
Ford	Fairlane N & LTD D	95-98	19.52	17.38	21.86	4.48
Ford	Fairlane & LTD AU	99-02	16.51	14.09	19.26	5.17
Ford	Fairlane & LTD BA/BF	03-07	15.10	12.24	18.48	6.24
Ford	Falcon FG	08-12	15.03	13.14	17.15	4.00
Ford	Falcon EF/EL	94-98	18.59	18.10	19.09	0.99
Ford	Falcon AU	98-02	18.27	17.66	18.89	1.23
Ford	Taurus	96-98	19.39	15.40	24.12	8.73
Ford	Falcon BA/BF	02-08	17.55	16.89	18.22	1.33
Holden / Toyota	Commodore VN/VP / Lexcen	89-93	16.57	16.13	17.03	0.90
Holden	Statesman/Caprice WB	82-85	21.49	14.29	31.01	16.73
Holden	Stateman/Caprice VQ	90-93	16.18	12.43	20.79	8.36
Holden	Stateman/Caprice VR/VS	94-98	15.56	14.21	17.02	2.81
Holden / Toyota	Commodore VR/VS / Lexcen	93-97	16.38	15.95	16.82	0.87
Holden	Commodore VT/VX	97-02	18.59	18.12	19.08	0.96
Holden	Statesman/Caprice WH	99-03	18.84	16.51	21.41	4.90
Holden	Commodore VY/VZ	02-07	17.44	16.72	18.18	1.46
Holden	Monaro	01-05	19.90	16.70	23.55	6.85
Holden	Statesman/Caprice WK/WL	03-06	16.86	13.80	20.43	6.63
Holden	Commodore VB-VL	82-88	17.57	17.04	18.11	1.07
Holden	Commodore VE	06-12	17.25	16.22	18.34	2.12
Holden	Statesman/Caprice WM	06-12	15.61	10.91	21.83	10.92
Hyundai	Sonata	89-97	16.69	15.24	18.25	3.01
Hyundai	Grandeaur / XG	99-00	21.41	16.88	26.77	9.89
Mitsubishi	Magna TM/TN/TP / Sigma / V3000	85-90	16.91	16.26	17.58	1.32
Mitsubishi	Magna TE/TF/TH/TJ / Verada KE/KF/KH/KJ / Diamante	96-03	17.75	17.12	18.41	1.29
Mitsubishi	Magna TR/TS / Verada KR/KS /	91-96	17.96	17.36	18.59	1.23

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
	V3000 / Diamante					
Mitsubishi	Magna TL/TW / Verada KL/KW	03-05	18.01	16.23	19.94	3.71
Mitsubishi	380	05-08	15.55	13.19	18.25	5.06
Jaguar	XJ6	82-86	20.24	14.61	27.35	12.74
Jaguar	XJ6	87-94	22.16	17.48	27.68	10.21
Jaguar	S-Type	99-08	20.38	14.40	28.03	13.63
Mazda	929 / Luce	82-90	18.12	16.26	20.13	3.87
Mazda	929 / Sentia / Efini MS-9	92-96	15.61	10.63	22.35	11.72
Mercedes Benz	E-Class W123	82-85	18.08	14.09	22.91	8.83
Mercedes Benz	E-Class W124	86-94	14.50	12.20	17.15	4.96
Mercedes Benz	E-Class W210	96-02	16.40	13.36	19.97	6.61
Mercedes Benz	S-Class W126	82-92	15.18	12.44	18.39	5.95
Mercedes Benz	S-Class C140	93-98	17.91	12.24	25.43	13.19
Mercedes Benz	S-Class W220	99-06	21.24	14.73	29.63	14.90
Mercedes Benz	E-Class W211	02-09	16.66	12.62	21.69	9.07
Nissan	Skyline	83-88	18.74	17.32	20.24	2.92
Nissan	300ZX / Fairlady Z	90-95	19.69	15.37	24.86	9.48
Nissan	Maxima	90-94	17.05	14.08	20.50	6.43
Nissan	Maxima / Cefiro	95-99	17.30	14.90	19.99	5.08
Nissan	Maxima	00-02	15.57	12.12	19.78	7.66
Nissan	Maxima	06-09	15.12	11.61	19.47	7.86
Honda	Legend	86-95	21.12	17.64	25.09	7.45
Rover	3500	82-87	19.57	12.14	29.98	17.84
Saab	9-5	98-05	14.51	10.12	20.37	10.24
Toyota	Crown / Cressida / Mark II	82-85	18.36	16.02	20.95	4.93
Toyota	Crown / Cressida / Mark II	86-88	15.80	12.74	19.42	6.67
Toyota	Cressida / Mark II	89-93	14.90	13.02	16.99	3.97
Toyota	Supra	82-90	24.11	19.35	29.60	10.24
Lexus	ES300 / Windom	92-01	18.95	15.32	23.20	7.88
Lexus	LS400 / Celsior	90-00	15.49	10.48	22.31	11.83
Lexus	GS300	97-04	14.95	9.67	22.41	12.74
Toyota	Avalon	00-05	18.28	16.76	19.92	3.16
Toyota	Aurion	06-12	15.40	13.50	17.50	4.00
Volvo	850/S70/V70/C70	92-99	18.43	16.31	20.76	4.45
Volvo	700/900 Series	84-92	17.35	15.19	19.75	4.57
Medium Cars			**14.74**	**14.17**	**15.34**	**1.17**
Alfa Romeo	156	99-06	11.80	8.71	15.80	7.09
Alfa Romeo	GTV / Spider	98-04	14.53	8.90	22.83	13.93
Audi	A4	95-01	15.17	12.42	18.41	6.00
Audi	A4	01-08	13.24	10.68	16.30	5.63
BMW	Z3 E36	97-03	16.27	10.71	23.93	13.22
BMW	3 Series E90 /E91 /E92 /E93	05-12	13.03	10.61	15.90	5.30
BMW	3 Series E30	82-91	14.94	13.33	16.71	3.37
BMW	3 Series E36	92-98	13.82	12.64	15.09	2.45
BMW	3 Series E46	99-06	15.09	13.61	16.70	3.09
Chrysler	PT Cruiser	00-10	11.70	7.79	17.20	9.40
Daewoo	Espero	95-97	17.92	15.02	21.24	6.22
Daewoo	Leganza	97-02	18.35	15.37	21.76	6.39
Ford	Cortina	82-82	17.39	15.63	19.29	3.66
Ford	Mondeo	95-01	15.70	13.95	17.62	3.67
Ford	Mondeo	07-12	17.18	12.43	23.27	10.84
Ford	Probe	94-98	16.39	11.43	22.94	11.51

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Ford	Cougar	99-03	11.65	9.14	14.73	5.60
Holden	Calibra	94-97	18.40	14.12	23.61	9.49
Holden	Camira	82-89	17.62	16.71	18.56	1.85
Holden	Vectra	97-03	15.81	14.45	17.27	2.82
Holden	Vectra ZC	03-05	19.16	15.40	23.58	8.18
Hyundai	Sonata	98-01	16.87	14.45	19.61	5.15
Hyundai	Sonata EF	02-05	17.17	13.12	22.16	9.04
Hyundai	Tiburon	02-10	18.43	12.15	26.96	14.80
Hyundai	Sonata NF	05-10	17.63	12.92	23.60	10.68
Mitsubishi	Sigma / Galant / Sapporo / Lambda	82-84	16.13	15.26	17.04	1.78
Mitsubishi	Galant	95-96	16.11	13.84	18.67	4.83
Jaguar	X-Type	02-10	15.86	10.81	22.66	11.85
Ford / Mazda	Telstar / 626 / MX6 / Capella	83-86	15.66	14.63	16.75	2.11
Ford / Mazda	Telstar / 626 / MX6 / Capella	88-91	14.84	13.76	15.98	2.23
Ford / Mazda	Telstar / 626 / MX6 / Capella / Cronos	92-97	14.21	13.14	15.34	2.19
Mazda	626	98-02	14.15	12.47	16.01	3.54
Mazda	RX7	82-85	14.04	10.02	19.32	9.30
Mazda	RX7	86-91	18.44	13.41	24.80	11.39
Mazda	Eunos 500	93-99	17.47	13.13	22.86	9.73
Mazda	6 / Atenza	02-07	14.13	12.62	15.80	3.18
Mazda	RX-8	03-11	21.86	16.53	28.32	11.78
Mercedes Benz	C-Class W201	87-93	14.73	11.92	18.06	6.14
Mercedes Benz	C-Class W202	95-00	11.41	9.52	13.62	4.10
Mercedes Benz	CLK C208	97-03	12.58	8.10	19.04	10.94
Mercedes Benz	SLK R170	97-04	17.27	11.09	25.89	14.81
Mercedes Benz	C-Class W203	00-07	13.93	11.73	16.45	4.72
Mercedes Benz	CLK C209	03-09	14.20	10.00	19.79	9.79
Mercedes Benz	C-Class W204 / C204	07-12	13.69	9.66	19.04	9.38
Nissan	Pintara	86-88	16.21	14.94	17.57	2.64
Nissan / Ford	Pintara / Corsair / Bluebird	89-92	16.60	15.60	17.64	2.04
Nissan	Bluebird	82-86	15.38	14.39	16.42	2.03
Nissan	Bluebird	93-97	15.83	13.83	18.05	4.22
Nissan	200SX / Silvia	94-02	15.47	12.89	18.45	5.56
Nissan	350Z / Fairlady	03-09	16.88	11.59	23.94	12.36
Honda	Accord Euro	03-08	15.25	13.39	17.31	3.92
Honda	Accord	03-07	15.45	13.07	18.16	5.09
Honda	Accord	82-85	14.36	12.18	16.86	4.69
Honda	Accord	86-90	15.21	13.33	17.30	3.97
Honda	Accord	91-93	17.71	15.51	20.15	4.64
Honda	Accord	94-98	17.64	16.13	19.25	3.12
Honda	Accord	99-02	17.84	14.80	21.34	6.54
Honda	Accord	08-12	19.13	14.16	25.32	11.16
Honda	Accord Euro	08-12	14.64	9.92	21.08	11.16
Honda	Prelude	82-82	11.79	6.26	21.11	14.85
Honda	Prelude	83-91	14.92	13.31	16.69	3.38
Honda	Prelude	92-96	14.53	12.37	16.99	4.62
Honda	Prelude	97-02	15.37	12.46	18.81	6.35
Peugeot	405	89-97	12.94	9.59	17.26	7.67
Peugeot	505	82-93	14.64	10.99	19.25	8.26
Peugeot	406	96-04	9.28	5.73	14.69	8.96
Renault	Feugo	82-87	13.62	8.34	21.46	13.12
Saab	900 Series	82-92	13.24	10.55	16.50	5.95

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Saab	900/9-3	94-02	14.72	12.51	17.25	4.73
Saab	9000	86-97	15.10	12.48	18.16	5.68
Saab	9-3	03-11	18.89	13.88	25.18	11.30
Subaru	1800 / Leone / Omega / 4WD Wagon	82-93	15.29	14.05	16.63	2.59
Subaru	Liberty / Legacy	89-93	16.69	15.44	18.01	2.57
Subaru	Liberty / Legacy / Outback	94-98	15.97	14.33	17.75	3.42
Subaru	Liberty / Legacy / Outback	99-03	15.89	14.38	17.53	3.15
Subaru	Liberty / Legacy / Outback	03-09	15.02	13.18	17.06	3.88
Toyota	Corona	82-88	15.73	15.02	16.47	1.46
Toyota	Camry	83-86	17.42	15.71	19.27	3.56
Holden / Toyota	Apollo JK/JL / Camry / Vista	88-92	17.94	17.39	18.51	1.12
Holden / Toyota	Apollo JM/JP / Camry / Sceptor	93-97	16.99	16.41	17.59	1.18
Toyota	Camry	98-02	17.57	16.90	18.26	1.36
Toyota	Celica	81-85	19.55	17.47	21.80	4.33
Toyota	Celica	86-89	18.35	16.27	20.63	4.36
Toyota	Celica	90-93	18.55	16.64	20.62	3.97
Toyota	Celica	94-99	16.78	14.59	19.23	4.64
Toyota	Celica	00-05	14.25	11.18	17.98	6.79
Lexus	IS200 / IS300	99-04	15.53	12.64	18.95	6.31
Toyota	Camry	02-06	17.03	16.09	18.01	1.92
Lexus	IS350 / IS250 / IS F	05-12	14.11	10.51	18.69	8.18
Toyota	Camry	06-11	13.27	11.91	14.75	2.83
Volvo	200 Series	82-93	15.77	14.00	17.71	3.71
Volvo	S60	01-09	17.68	12.37	24.63	12.25
Volkswagen	Passat	98-06	13.69	10.33	17.93	7.60
People Movers			**17.13**	**16.32**	**17.97**	**1.65**
Chrysler	Voyager	97-01	22.09	17.92	26.92	9.00
Holden	Zafira TT	01-05	14.22	10.49	19.00	8.51
Mitsubishi	Nimbus / Chariot / Spacewagon	85-91	13.71	9.31	19.72	10.41
Mitsubishi	Nimbus / Chariot	92-98	14.22	11.49	17.47	5.98
Mitsubishi	Nimbus	99-03	11.19	7.61	16.15	8.55
Mitsubishi	Starwagon / L300	83-86	22.76	20.42	25.29	4.87
Mitsubishi	Starwagon / Delica Starwagon	87-93	20.28	18.89	21.75	2.86
Mitsubishi	Starwagon / Delica Spacegear	95-03	22.79	20.39	25.39	5.01
Kia	Carnival	99-06	21.58	18.92	24.51	5.59
Kia	Carnival	06-11	17.77	13.81	22.58	8.78
Mazda	MPV	94-99	22.34	17.51	28.05	10.54
Mazda	MPV	00-06	14.64	9.91	21.09	11.18
Nissan	Prairie	84-86	14.35	9.68	20.76	11.08
Nissan	Serena	92-95	14.62	9.05	22.76	13.71
Honda	Odyssey	95-00	19.30	15.59	23.66	8.07
Honda	Odyssey	00-02	18.46	13.31	25.04	11.73
Honda	Odyssey	04-09	15.73	12.30	19.91	7.61
Toyota	Tarago	83-89	18.12	16.57	19.79	3.22
Toyota	Tarago / Previa / Estima	91-99	18.44	16.84	20.15	3.31
Toyota	Tarago / Previa / Estima	00-06	15.79	13.48	18.40	4.91
Toyota	Spacia	93-00	15.33	10.44	21.95	11.52
Toyota	Avensis Verso	01-10	13.63	9.16	19.82	10.67
Toyota	Tarago	06-12	15.35	11.85	19.67	7.82

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Small Cars			**13.08**	**12.56**	**13.61**	**1.04**
Alfa Romeo	33	83-92	8.30	5.42	12.51	7.09
Alfa Romeo	75	86-92	21.46	14.49	30.57	16.08
Alfa Romeo	147 / GT	01-10	10.79	7.08	16.13	9.05
Audi	A3	04-12	10.69	6.19	17.84	11.66
Audi	A3/S3	97-04	15.27	11.37	20.21	8.83
BMW	1 Series E81 / E82 / E87 / E88	04-12	16.95	12.91	21.93	9.02
Chrysler	Neon	96-99	16.49	13.03	20.65	7.62
Citroen	C4	05-10	16.43	10.61	24.58	13.97
Daihatsu	Applause	89-99	15.02	13.49	16.68	3.18
Daewoo	1.5i	94-95	19.76	13.84	27.41	13.57
Daewoo	Cielo	95-97	14.10	12.86	15.44	2.58
Daewoo	Nubira	97-03	15.26	13.88	16.76	2.88
Daewoo	Lanos	97-03	16.58	15.41	17.82	2.41
Daewoo	Lacetti	03-04	16.83	11.54	23.89	12.35
Ford	Laser	91-94	14.48	13.77	15.22	1.45
Ford	Laser	95-97	13.42	12.32	14.60	2.29
Ford	Escort	82-82	16.92	14.79	19.28	4.49
Ford	Capri	89-94	17.14	14.94	19.60	4.66
Ford	Focus LR	02-05	15.75	13.88	17.81	3.92
Ford	Focus LS / LT	05-09	13.35	11.71	15.17	3.47
Ford	Focus LV	09-12	15.06	10.59	20.97	10.39
Fiat	Regata	84-88	12.87	7.24	21.84	14.61
Holden	Gemini	82-84	14.06	12.79	15.43	2.64
Holden	Gemini RB	86-87	13.57	11.10	16.48	5.39
Holden	Astra TR	96-98	13.76	11.64	16.19	4.55
Holden	Astra TS	98-06	14.21	13.46	14.98	1.52
Holden	Astra AH	04-09	15.56	14.03	17.23	3.19
Holden	Viva JF	05-09	13.52	11.45	15.91	4.46
Holden	Cruze JG / JH	09-12	16.15	13.11	19.74	6.63
Hyundai	Excel	86-90	16.80	15.09	18.66	3.56
Hyundai	Excel	90-94	14.88	14.00	15.81	1.81
Hyundai	Excel / Accent	95-00	14.33	13.81	14.87	1.06
Hyundai	Elantra	00-06	16.27	14.91	17.74	2.83
Hyundai	Accent	06-09	13.52	9.82	18.34	8.52
Hyundai	i30	07-12	12.53	10.19	15.31	5.12
Hyundai	S Coupe	90-96	13.40	11.21	15.93	4.71
Hyundai	Lantra	91-95	16.45	14.62	18.46	3.84
Hyundai	Lantra	96-00	15.77	14.57	17.04	2.47
Hyundai	Coupe	96-00	16.86	14.11	20.02	5.91
Hyundai	Accent	00-06	16.63	15.53	17.80	2.27
Mitsubishi	Lancer / Mirage CA	89-90	13.59	12.41	14.86	2.45
Mitsubishi	Lancer / Mirage CB	91-92	16.28	13.67	19.27	5.59
Mitsubishi	Lancer / Mirage CC	93-95	13.24	12.30	14.24	1.94
Mitsubishi	Lancer / Mirage CE	96-03	14.21	13.65	14.79	1.14
Mitsubishi	Cordia	83-87	17.80	15.15	20.81	5.66
Mitsubishi	Lancer CH	03-07	13.65	12.44	14.96	2.52
Mitsubishi	Lancer CJ	08-12	14.12	11.86	16.72	4.87
Kia	Rio	00-05	13.58	12.21	15.09	2.88
Kia	Spectra	01-04	14.97	11.09	19.89	8.80
Kia	Cerato LD	04-08	13.09	10.63	16.01	5.38
Kia	Rio JB	05-11	11.55	9.72	13.66	3.94

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Ford / Mazda	Laser / 323 / Familia	82-88	14.76	14.26	15.27	1.02
Mazda	323 / Familia / Lantis	90-93	14.29	12.95	15.74	2.79
Mazda	323 / Familia / Lantis	95-98	13.40	12.34	14.55	2.21
Ford / Mazda	Laser / 323	99-03	13.69	12.80	14.63	1.83
Mazda	MX5 / Eunos Roadster	89-97	15.37	11.39	20.43	9.04
Mazda	MX5 / Eunos Roadster	98-05	10.45	7.46	14.47	7.01
Mazda	Eunos 30X / Presso / MX-3 / Autozam AZ-3	90-97	13.84	10.57	17.92	7.36
Mazda	3 / Axela	03-09	14.03	13.06	15.05	1.98
Mazda	3 / Axela	09-12	10.75	8.34	13.74	5.40
Mercedes Benz	A-Class W168	98-04	12.33	8.97	16.73	7.76
Holden / Nissan	Astra / Pulsar / Langley	84-86	14.30	13.29	15.37	2.08
Holden / Nissan	Astra / Pulsar / Vector / Sentra	88-90	15.22	14.43	16.05	1.61
Nissan	Pulsar / Vector / Sentra	92-95	14.96	13.95	16.02	2.07
Nissan	Pulsar / Vector / Sentra	96-99	14.35	13.57	15.17	1.60
Nissan	Pulsar / Bluebird Sylphy	00-05	13.06	12.25	13.92	1.67
Nissan	Stanza	82-83	17.81	13.15	23.67	10.52
Nissan	Gazelle / Silvia	84-86	13.45	9.09	19.44	10.35
Nissan	Exa	83-86	21.55	16.42	27.76	11.34
Nissan	Exa	87-91	18.39	12.38	26.45	14.07
Nissan	NX/NX-R	91-96	21.86	18.57	25.56	6.99
Nissan	Tiida	06-12	12.12	9.36	15.56	6.19
Honda	Civic	82-83	11.21	7.98	15.53	7.55
Honda	Civic / Ballade / Shuttle	84-87	15.94	13.96	18.14	4.17
Honda	Civic / Shuttle	88-91	14.58	13.24	16.02	2.78
Honda	Civic	92-95	15.30	14.09	16.60	2.51
Honda	Civic	96-00	15.99	14.86	17.20	2.33
Honda	CRX	87-91	16.02	10.96	22.82	11.86
Honda	CRX	92-98	17.07	11.43	24.72	13.29
Honda	Civic	01-05	13.96	12.18	15.96	3.78
Honda	Civic	06-11	13.84	10.50	18.02	7.53
Honda	Integra	86-88	14.76	11.24	19.15	7.91
Honda	Integra	90-92	19.11	15.52	23.31	7.79
Honda	Integra	93-01	16.09	13.53	19.04	5.51
Honda	Integra	02-06	15.62	11.57	20.75	9.18
Honda	Concerto	89-93	12.48	9.28	16.58	7.30
Peugeot	306	94-01	13.15	10.87	15.82	4.95
Peugeot	307	01-09	12.47	9.85	15.66	5.82
Proton	Wira	95-96	13.66	11.72	15.87	4.16
Renault	Megane II	03-10	15.58	9.67	24.14	14.46
Renault	19	91-96	15.96	11.04	22.50	11.46
Renault	Scenic	01-04	13.21	8.71	19.54	10.83
Rover	Quintet	82-86	13.18	7.74	21.53	13.78
MG	MGF / MG TF	99-05	9.77	5.98	15.56	9.58
Subaru	Impreza	93-00	15.39	14.14	16.74	2.60
Subaru	Impreza	01-07	14.53	13.14	16.04	2.90
Subaru	Impreza	07-11	11.58	9.07	14.68	5.61
Suzuki	Baleno / Cultus Crescent	95-02	11.97	10.35	13.80	3.45
Suzuki	Liana	01-07	12.73	9.78	16.41	6.63
Toyota	Corolla	82-84	13.57	12.66	14.54	1.88
Toyota	Corolla	86-88	14.21	13.49	14.96	1.47
Toyota / Holden	Corolla / Nova	89-93	14.86	14.32	15.41	1.09
Toyota / Holden	Corolla / Nova	94-97	13.47	12.88	14.09	1.20
Toyota	Corolla / Allex	98-01	14.32	13.39	15.30	1.91

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Toyota	Corolla	02-07	13.95	13.28	14.65	1.37
Toyota	Corolla	07-12	14.12	12.87	15.48	2.61
Toyota	Tercel	83-88	17.74	13.52	22.94	9.43
Toyota	MR2	87-90	13.58	8.65	20.69	12.04
Toyota	MR2	91-00	15.64	9.62	24.39	14.77
Toyota	Paseo / Cynos	91-99	14.11	12.11	16.38	4.27
Toyota	Corolla 4WD Wagon	92-96	20.78	16.89	25.30	8.41
Toyota	Prius II	03-09	11.98	9.09	15.64	6.55
Volvo	S40/V40	97-04	15.77	12.99	19.01	6.02
Volkswagen	Golf	82-94	15.51	10.51	22.30	11.79
Volkswagen	Golf	95-98	13.89	11.52	16.65	5.13
Volkswagen	Golf / Bora	99-04	14.87	13.11	16.82	3.71
Volkswagen	New Beetle	00-11	16.98	12.99	21.89	8.90
Volkswagen	Golf / Jetta	04-09	17.17	12.30	23.45	11.15
Light Cars			**11.96**	**11.46**	**12.48**	**1.02**
Mini	Mini Cooper	02-12	16.11	11.90	21.45	9.55
Daihatsu	Charade	82-86	13.34	11.22	15.79	4.58
Daihatsu	Charade	88-92	12.19	11.21	13.25	2.04
Daihatsu	Charade	93-00	13.72	12.72	14.80	2.08
Daihatsu	Pyzar	97-01	10.45	7.22	14.90	7.68
Daihatsu	Sirion / Storia	98-04	9.71	8.18	11.49	3.31
Daihatsu	Mira	90-96	12.39	9.69	15.72	6.03
Daewoo	Matiz	99-04	12.10	10.04	14.53	4.50
Daewoo	Kalos	03-04	14.15	10.92	18.14	7.22
Ford	Festiva WD/WH/WF	94-01	15.01	14.32	15.73	1.41
Ford	Ka	99-02	11.99	9.09	15.65	6.56
Ford	Fiesta WP/WQ	04-08	12.52	8.97	17.19	8.22
Ford	Fiesta WS	09-12	18.81	14.46	24.09	9.64
Holden	Barina XC / Combo	01-12	14.69	13.32	16.17	2.85
Holden	Barina SB	95-00	13.55	12.64	14.52	1.89
Holden	Barina TK	05-11	12.15	10.69	13.78	3.09
Hyundai	Getz / TB	02-11	14.03	13.02	15.10	2.08
Mitsubishi	Mirage / Colt	82-88	15.00	14.09	15.95	1.86
Mitsubishi	Colt	04-11	11.25	8.41	14.89	6.48
Ford / Mazda	Festiva WA / 121	87-90	13.81	12.82	14.86	2.04
Mazda	121 / Autozam Review	94-96	12.06	10.84	13.40	2.56
Mazda	121 Metro / Demio	97-02	11.98	10.71	13.38	2.67
Mazda	2 / Demio	02-07	12.19	10.27	14.41	4.14
Mazda	2 / Demio	07-12	11.80	9.73	14.24	4.51
Nissan	Micra	95-97	13.50	11.14	16.27	5.13
Honda	Jazz / Fit	02-08	11.95	10.43	13.66	3.23
Honda	Jazz GE / Fit	08-12	11.72	8.32	16.27	7.95
Honda	City	83-86	10.97	6.97	16.86	9.89
Peugeot	205	87-94	12.78	7.74	20.36	12.62
Peugeot	206	99-07	12.85	10.21	16.04	5.83
Proton	Satria	97-05	12.45	8.38	18.09	9.71
Renault	Clio	01-08	11.00	6.79	17.32	10.53
Subaru	Sherpa / Fiori / 700 / Rex	89-92	11.96	9.01	15.71	6.70
Suzuki	Swift	82-85	14.59	8.62	23.63	15.01
Holden / Suzuki	Barina / Swift / Cultus	86-88	13.45	12.02	15.03	3.01
Holden / Suzuki	Barina / Swift / Cultus	89-99	12.62	12.00	13.27	1.28
Suzuki	Hatch / Alto	82-84	13.55	10.45	17.38	6.93

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Suzuki	Alto	85-00	16.30	11.04	23.41	12.37
Suzuki	Ignis	00-02	11.59	8.94	14.90	5.97
Suzuki	Swift	05-10	13.05	11.64	14.60	2.96
Toyota	Starlet	96-99	12.85	11.75	14.03	2.28
Toyota	Echo	99-05	11.71	10.86	12.63	1.77
Toyota	Yaris / Vitz	05-11	12.05	10.91	13.30	2.39
Toyota	Yaris / Vitz	11-12	14.90	9.98	21.66	11.69
Volkswagen	Polo	96-00	11.75	8.88	15.38	6.50
Volkswagen	Polo	02-10	15.63	11.91	20.24	8.33

AGGRESSIVITY INJURY SEVERITY RATINGS

New South Wales and Victoria Data (1987-2012), South Australia Data (1995-2012), Queensland Data (1991-2012), Western Australia and New Zealand Data (1991-2012)

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
ALL VEHICLE AVERAGE			**23.72**			
Small Sports Utility Vehicles			**22.99**	**21.30**	**24.77**	**3.47**
Daihatsu	Feroza / Rocky	89-97	23.66	17.70	30.87	13.17
Daihatsu	Rocky / Rugger	85-98	29.66	20.82	40.34	19.53
Daihatsu	Terios	97-05	21.49	15.30	29.31	14.01
Holden	Cruze	02-06	22.13	15.50	30.58	15.08
Hyundai	Tucson	04-10	26.99	19.28	36.39	17.12
Hyundai	ix35	10-12	16.59	6.82	35.11	28.29
Mitsubishi	Outlander	03-06	23.83	16.56	33.04	16.48
Mitsubishi / Peugeot	Outlander / 4007	06-12	15.98	10.37	23.82	13.45
Kia	Sportage	98-03	20.63	15.60	26.77	11.17
Kia	Sportage KM	05-10	33.94	20.69	50.29	29.60
Nissan	X-Trail	01-07	24.03	20.52	27.93	7.42
Nissan	Dualis	07-12	28.12	16.63	43.41	26.78
Lada	Niva	84-99	25.72	17.04	36.87	19.83
Honda	HR-V	99-02	30.27	21.64	40.56	18.91
Land Rover	Freelander	98-06	21.63	13.56	32.68	19.12
Suzuki	Vitara / Escudo	88-98	24.47	21.11	28.17	7.07
Holden / Suzuki	Drover / Sierra / Samurai / SJ410 / SJ413	82-99	23.41	19.96	27.26	7.30
Suzuki	Jimny	98-10	24.89	15.98	36.61	20.63
Suzuki	SX4	07-12	26.46	15.37	41.62	26.25
Medium Sports Utility Vehicles			**24.02**	**22.64**	**25.45**	**2.80**
Daewoo / Ssangong	Musso	98-06	34.32	23.92	46.49	22.58
Holden / Isuzu	Jackaroo / Bighorn	82-91	28.51	23.05	34.69	11.65
Holden / Isuzu	Jackaroo / Bighorn	92-97	26.46	21.04	32.69	11.65
Holden / Isuzu	Jackaroo / Bighorn	98-02	28.06	22.23	34.74	12.51
Holden	Frontera / Mu	95-03	29.12	20.78	39.14	18.35
Holden	Adventra	03-06	24.69	16.78	34.78	17.99
Holden	Captiva CG	06-12	19.20	13.94	25.84	11.89
Hyundai	Santa Fe	00-06	24.88	18.23	32.98	14.74
Hyundai	Terracan	01-07	44.37	30.95	58.66	27.71
Mitsubishi	Pajero	82-90	26.23	22.60	30.22	7.62
Mitsubishi	Pajero	92-99	26.22	23.23	29.46	6.23
Mitsubishi	Pajero NM / NP	00-06	24.99	20.54	30.05	9.52
Mitsubishi	Pajero NS / NT / NW	07-12	33.66	22.96	46.35	23.39
Mitsubishi	Challenger	98-06	17.84	12.77	24.35	11.59
Jeep	Cherokee XJ	96-00	25.87	21.35	30.98	9.63
Jeep	Wrangler	96-04	25.19	18.54	33.25	14.71
Jeep	Cherokee KJ	01-07	25.06	17.76	34.11	16.35
Jeep	Wrangler	05-12	19.67	10.28	34.35	24.08
Land Rover	Defender	92-12	20.81	13.24	31.15	17.90

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Ford / Mazda	Escape / Tribute	01-06	24.72	20.61	29.35	8.74
Mazda	CX-7	06-12	21.09	13.65	31.12	17.47
Ford / Mazda	Escape / Tribute	06-12 / 06-08	23.54	10.96	43.51	32.56
Nissan	Pathfinder / Terrano	88-94	23.22	19.30	27.66	8.36
Nissan	Pathfinder / Terrano / Regulus	95-05	29.06	24.13	34.53	10.40
Nissan	Murano	05-08	23.86	13.02	39.61	26.60
Nissan	Pathfinder	05-12	25.25	16.31	36.94	20.63
Honda	CR-V	97-01	23.67	20.14	27.61	7.47
Honda	CR-V	02-06	22.86	18.80	27.50	8.69
Honda	CR-V	07-12	21.73	15.56	29.49	13.93
Subaru	Tribeca	06-12	22.62	12.32	37.81	25.49
Subaru	Forester	08-12	27.24	19.00	37.41	18.41
Subaru	Forester	97-02	20.94	17.23	25.20	7.96
Subaru	Forester	02-08	21.79	17.92	26.22	8.29
Suzuki	Grand Vitara	99-05	21.28	15.99	27.74	11.75
Suzuki	Grand Vitara / Escudo	05-08	18.35	10.28	30.59	20.30
Suzuki	Grand Vitara JT	08-12	37.28	22.25	55.26	33.01
Toyota	RAV4	94-00	25.40	22.22	28.87	6.64
Toyota	RAV4	01-06	26.21	22.64	30.12	7.48
Lexus	RX330	03-05	29.50	17.26	45.63	28.37
Toyota	RAV4	06-12	24.30	19.54	29.80	10.26
Large Sports Utility Vehicles			**27.19**	**25.77**	**28.65**	**2.88**
Ford	Bronco	82-87	26.69	16.30	40.51	24.21
Ford	Explorer	00-01	21.30	14.23	30.63	16.41
Ford	Explorer	01-05	20.16	12.73	30.40	17.67
Ford	Territory SX/SY	04-10	24.60	17.32	33.71	16.39
Jeep	Grand Cherokee ZG	96-99	24.48	17.16	33.65	16.49
Jeep	Grand Cherokee WG	99-05	31.35	24.03	39.72	15.69
Kia	Sorento	03-09	16.72	9.17	28.53	19.36
Land Rover	Discovery	91-02	21.51	17.56	26.07	8.51
Mercedes Benz	M-Class W163	98-05	18.95	13.55	25.86	12.31
Mercedes Benz	M / GL -Class W164 / X164	05-11	20.52	12.08	32.67	20.59
Nissan	Patrol / Safari	82-87	29.05	24.39	34.21	9.83
Nissan / Ford	Patrol / Maverick / Safari	88-97	27.34	25.28	29.51	4.23
Nissan	Patrol / Safari	98-12	28.37	25.98	30.90	4.92
Land Rover	Range Rover	82-94	28.52	22.17	35.86	13.70
Land Rover	Range Rover	95-02	31.23	21.05	43.62	22.57
Toyota	Landcruiser	82-89	31.35	29.05	33.75	4.71
Toyota	Landcruiser	90-97	29.17	27.42	30.99	3.57
Toyota	Landcruiser	98-07	29.52	27.26	31.88	4.61
Toyota	Kluger / Highlander	03-07	20.71	15.31	27.38	12.07
Toyota	Landcruiser Prado	96-03	28.82	23.92	34.28	10.36
Toyota	Landcruiser Prado	03-09	28.50	24.91	32.39	7.48
Toyota	Kluger / Highlander	07-12	21.33	15.63	28.41	12.78
Toyota	Landcruiser 200 Series	07-12	28.63	20.78	38.01	17.23
Volvo	XC90	03-12	21.00	12.40	33.30	20.90
Commercial - Utes			**25.46**	**24.19**	**26.77**	**2.58**
Ford / Nissan	Falcon Ute / XFN Ute	82-95	24.04	21.97	26.23	4.27
Ford	Falcon Ute	96-99	25.22	21.25	29.67	8.42
Ford	Falcon Ute AU	00-02	25.37	22.28	28.72	6.44

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Ford	Falcon Ute BA/BF	03-08	21.76	18.81	25.03	6.23
Ford	Ford F-Series	82-92	29.71	23.99	36.14	12.15
Ford	F-Series	01-06	29.70	20.37	41.09	20.72
Holden	Commodore Ute VG/VP	90-93	21.00	16.62	26.18	9.55
Holden / Isuzu	Rodeo / Pickup	82-85	29.68	22.62	37.85	15.23
Holden / Isuzu	Rodeo / Pickup	86-88	28.15	18.71	40.01	21.30
Holden / Isuzu	Rodeo / Pickup	89-95	29.31	26.80	31.95	5.15
Holden	Rodeo	96-98	26.38	22.94	30.15	7.21
Holden	Rodeo	99-02	29.09	25.74	32.68	6.94
Holden	WB Series	82-85	27.06	22.26	32.47	10.22
Holden	Commodore Ute VR/VS	94-00	26.97	24.48	29.62	5.13
Holden	Commodore VU Ute	00-02	26.51	22.06	31.49	9.42
Holden	Commodore VY/VZ Ute	02-07	27.77	24.90	30.83	5.93
Holden	Rodeo	03-08	24.46	21.84	27.29	5.45
Holden	Commodore VE Ute	07-12	25.94	19.89	33.07	13.18
Holden	Colorado RC / RG	08-12	25.12	16.98	35.50	18.52
Mitsubishi	Triton MK	96-06	21.82	17.94	26.28	8.34
Mitsubishi	Triton ML / MN	06-12	24.92	19.97	30.63	10.67
Kia	Ceres	92-00	25.29	19.07	32.71	13.64
Kia	K2700	02-08	30.40	17.08	48.08	31.00
Ford / Mazda	Courier / B-Series / Bounty	98-02	26.77	22.94	30.98	8.04
Ford / Mazda	Courier / Bravo / Bounty	03-06	22.71	18.88	27.06	8.18
Ford / Mazda	Ranger / BT-50	06-11	27.43	23.32	31.95	8.63
Nissan	720 Ute	82-85	20.98	16.61	26.13	9.51
Nissan	Navara	86-91	27.18	24.28	30.30	6.02
Nissan	Navara	92-96	25.54	21.93	29.53	7.60
Nissan	Navara	97-05	26.07	23.10	29.28	6.18
Nissan	Navara	05-12	24.01	19.40	29.33	9.93
Proton	Jumbuck	03-10	15.57	5.82	35.48	29.65
Subaru	Brumby	82-92	28.08	22.32	34.65	12.33
Suzuki	Mighty Boy	85-88	23.57	13.32	38.22	24.89
Toyota	4Runner/Hilux	82-85	29.19	26.18	32.39	6.22
Toyota	4Runner/Hilux	86-88	28.42	25.54	31.48	5.94
Toyota	4Runner/Hilux	89-97	26.74	25.31	28.22	2.90
Toyota	Hilux	98-02	27.91	25.49	30.48	4.99
Toyota	Hilux	03-04	28.50	24.46	32.92	8.45
Toyota	Hilux	05-12	26.50	23.77	29.44	5.67
Commercial - Vans			**25.18**	**23.73**	**26.69**	**2.96**
Daihatsu	Handivan	82-90	30.57	21.97	40.78	18.81
Daihatsu	Handivan / Cuore	99-03	22.83	9.53	45.40	35.87
Ford	Falcon Panel Van	82-95	24.54	21.07	28.37	7.30
Ford	Falcon Panel Van	96-99	30.93	22.05	41.49	19.44
Ford	Transit	95-00	21.17	16.58	26.63	10.04
Ford	Transit	01-07	21.72	17.53	26.59	9.06
Holden	Shuttle / WFR Van	82-87	20.17	13.11	29.73	16.62
Hyundai	iLoad	08-12	25.39	15.81	38.15	22.33
Mitsubishi	Express	94-12	20.07	13.09	29.51	16.42
Kia	Pregio	02-06	24.61	18.92	31.35	12.42
Mercedes Benz	MB100 / MB140	99-04	24.15	16.39	34.09	17.70
Mercedes Benz	Vito	99-04	25.23	18.61	33.25	14.64
Mercedes Benz	Sprinter	98-06	25.47	18.80	33.52	14.72
Mercedes Benz	Vito / Viano / Valente	04-12	38.02	25.86	51.90	26.04

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Honda	Acty	83-86	14.21	6.73	27.56	20.82
Holden / Suzuki	Scurry / Carry	82-00	23.13	15.18	33.61	18.44
Toyota	Hiace/Liteace	82-86	28.77	26.06	31.63	5.57
Toyota	Hiace/Liteace	87-89	28.57	25.48	31.88	6.40
Toyota	Hiace/Liteace	90-95	26.35	24.07	28.76	4.69
Toyota	Hiace/Liteace	96-04	26.32	24.03	28.75	4.71
Toyota	Hiace	05-12	24.78	19.39	31.08	11.69
Volkswagen	Caravelle / Transporter	88-94	23.10	12.29	39.19	26.91
Volkswagen	Caravelle / Transporter	95-04	28.34	21.76	35.99	14.23
Volkswagen	Caddy	05-12	22.97	13.64	36.04	22.40
Large Cars			**23.24**	**22.11**	**24.40**	**2.29**
BMW	5 Series E60 / E61	03-10	27.69	16.87	41.93	25.06
BMW	5 Series E28	82-88	25.54	18.88	33.57	14.68
BMW	5 Series E34	89-95	27.02	21.39	33.50	12.11
BMW	5 Series E39	96-03	19.16	13.94	25.74	11.80
BMW	7 Series E23	82-86	14.15	5.95	30.06	24.11
BMW	7 Series E32	87-94	22.28	13.24	35.02	21.79
BMW	7 Series E38	95-01	20.71	11.48	34.48	23.00
Chrysler	300C	06-11	29.29	17.74	44.30	26.57
Ford	Falcon XE/XF	82-88	24.80	23.78	25.85	2.07
Ford	Fairlane Z & LTD F	82-87	24.89	22.06	27.94	5.88
Ford	Falcon EA / Falcon EB Series I	88-Mar 92	24.85	23.77	25.96	2.19
Ford	Falcon EB Series II / Falcon ED	Apr 92-94	24.35	22.86	25.90	3.04
Ford	Fairlane N & LTD D	88-94	23.65	20.77	26.78	6.01
Ford	Fairlane N & LTD D	95-98	25.34	21.31	29.84	8.53
Ford	Fairlane & LTD AU	99-02	21.36	16.35	27.40	11.05
Ford	Fairlane & LTD BA/BF	03-07	26.71	19.63	35.22	15.59
Ford	Falcon FG	08-12	17.48	14.15	21.39	7.24
Ford	Falcon EF/EL	94-98	24.35	23.35	25.39	2.04
Ford	Falcon AU	98-02	23.77	22.56	25.02	2.46
Ford	Taurus	96-98	23.21	16.36	31.85	15.49
Ford	Falcon BA/BF	02-08	24.52	23.18	25.92	2.74
Holden / Toyota	Commodore VN/VP / Lexcen	89-93	23.81	22.83	24.83	2.00
Holden	Statesman/Caprice WB	82-85	40.41	19.79	65.08	45.28
Holden	Stateman/Caprice VQ	90-93	25.91	17.93	35.88	17.95
Holden	Stateman/Caprice VR/VS	94-98	25.64	22.31	29.28	6.97
Holden / Toyota	Commodore VR/VS / Lexcen	93-97	24.70	23.68	25.75	2.06
Holden	Commodore VT/VX	97-02	25.19	24.16	26.25	2.09
Holden	Statesman/Caprice WH	99-03	26.23	21.36	31.77	10.41
Holden	Commodore VY/VZ	02-07	22.32	20.81	23.91	3.10
Holden	Monaro	01-05	25.11	19.53	31.65	12.11
Holden	Statesman/Caprice WK/WL	03-06	25.81	18.50	34.78	16.28
Holden	Commodore VB-VL	82-88	24.17	23.08	25.30	2.23
Holden	Commodore VE	06-12	23.24	21.16	25.46	4.30
Holden	Statesman/Caprice WM	06-12	22.26	12.61	36.23	23.62
Hyundai	Sonata	89-97	24.80	21.45	28.48	7.03
Hyundai	Grandeaur / XG	99-00	19.71	12.23	30.19	17.96
Mitsubishi	Magna TM/TN/TP / Sigma / V3000	85-90	24.39	22.99	25.84	2.85
Mitsubishi	Magna TE/TF/TH/TJ / Verada KE/KF/KH/KJ / Diamante	96-03	23.13	21.68	24.64	2.95
Mitsubishi	Magna TR/TS / Verada KR/KS /	91-96	22.98	21.72	24.29	2.57

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
	V3000 / Diamante					
Mitsubishi	Magna TL/TW / Verada KL/KW	03-05	22.90	18.68	27.73	9.05
Mitsubishi	380	05-08	25.91	20.10	32.70	12.60
Jaguar	XJ6	82-86	28.94	19.15	41.18	22.03
Jaguar	XJ6	87-94	18.70	11.68	28.59	16.91
Jaguar	S-Type	99-08	18.96	10.73	31.30	20.57
Mazda	929 / Luce	82-90	20.49	17.31	24.09	6.78
Mazda	929 / Sentia / Efini MS-9	92-96	38.79	25.08	54.55	29.47
Mercedes Benz	E-Class W123	82-85	21.55	13.42	32.75	19.33
Mercedes Benz	E-Class W124	86-94	27.60	21.88	34.16	12.27
Mercedes Benz	E-Class W210	96-02	22.45	16.19	30.26	14.07
Mercedes Benz	S-Class W126	82-92	17.52	12.05	24.78	12.73
Mercedes Benz	S-Class C140	93-98	25.20	14.54	40.02	25.47
Mercedes Benz	S-Class W220	99-06	21.97	10.68	39.86	29.18
Mercedes Benz	E-Class W211	02-09	21.80	14.46	31.50	17.04
Nissan	Skyline	83-88	24.07	21.68	26.62	4.94
Nissan	300ZX / Fairlady Z	90-95	28.44	20.75	37.63	16.88
Nissan	Maxima	90-94	25.21	20.74	30.26	9.52
Nissan	Maxima / Cefiro	95-99	20.76	17.29	24.72	7.43
Nissan	Maxima	00-02	26.48	20.63	33.30	12.67
Nissan	Maxima	06-09	23.73	17.62	31.17	13.55
Honda	Legend	86-95	23.72	18.10	30.44	12.33
Rover	3500	82-87	32.27	17.59	51.55	33.97
Saab	9-5	98-05	9.48	3.89	21.33	17.44
Toyota	Crown / Cressida / Mark II	82-85	27.17	22.84	31.97	9.14
Toyota	Crown / Cressida / Mark II	86-88	26.30	19.28	34.77	15.49
Toyota	Cressida / Mark II	89-93	17.43	13.69	21.94	8.25
Toyota	Supra	82-90	26.44	19.19	35.25	16.06
Lexus	ES300 / Windom	92-01	15.68	10.92	22.01	11.09
Lexus	LS400 / Celsior	90-00	30.74	18.94	45.74	26.79
Lexus	GS300	97-04	22.84	10.11	43.78	33.67
Toyota	Avalon	00-05	25.72	22.46	29.29	6.83
Toyota	Aurion	06-12	23.07	18.58	28.27	9.69
Volvo	850/S70/V70/C70	92-99	26.59	22.05	31.67	9.62
Volvo	700/900 Series	84-92	22.72	18.19	27.99	9.80
Medium Cars			**22.49**	**21.36**	**23.65**	**2.29**
Alfa Romeo	156	99-06	16.31	9.39	26.83	17.44
Alfa Romeo	GTV / Spider	98-04	19.33	7.24	42.37	35.13
Audi	A4	95-01	20.61	15.29	27.20	11.90
Audi	A4	01-08	23.41	17.31	30.86	13.55
BMW	Z3 E36	97-03	19.90	10.89	33.56	22.67
BMW	3 Series E90 /E91 /E92 /E93	05-12	29.20	22.49	36.96	14.47
BMW	3 Series E30	82-91	22.24	19.02	25.83	6.81
BMW	3 Series E36	92-98	24.64	21.92	27.58	5.66
BMW	3 Series E46	99-06	22.89	19.52	26.64	7.12
Chrysler	PT Cruiser	00-10	29.75	17.68	45.51	27.83
Daewoo	Espero	95-97	23.56	16.98	31.71	14.73
Daewoo	Leganza	97-02	30.82	23.40	39.38	15.97
Ford	Cortina	82-82	24.34	20.89	28.15	7.26
Ford	Mondeo	95-01	23.86	20.69	27.34	6.65
Ford	Mondeo	07-12	18.57	11.48	28.61	17.12
Ford	Probe	94-98	34.72	21.91	50.20	28.29

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Ford	Cougar	99-03	21.54	15.14	29.70	14.56
Holden	Calibra	94-97	29.67	21.84	38.91	17.08
Holden	Camira	82-89	23.25	21.47	25.13	3.66
Holden	Vectra	97-03	25.05	22.07	28.29	6.22
Holden	Vectra ZC	03-05	21.73	15.41	29.72	14.30
Hyundai	Sonata	98-01	18.54	13.43	25.03	11.60
Hyundai	Sonata EF	02-05	28.83	17.60	43.43	25.83
Hyundai	Tiburon	02-10	33.43	16.79	55.55	38.76
Hyundai	Sonata NF	05-10	29.21	18.03	43.65	25.62
Mitsubishi	Sigma / Galant / Sapporo / Lambda	82-84	23.74	21.93	25.64	3.71
Mitsubishi	Galant	95-96	20.69	17.09	24.81	7.72
Jaguar	X-Type	02-10	28.53	16.18	45.22	29.04
Ford / Mazda	Telstar / 626 / MX6 / Capella	83-86	22.74	20.93	24.65	3.72
Ford / Mazda	Telstar / 626 / MX6 / Capella	88-91	25.23	23.15	27.44	4.29
Ford / Mazda	Telstar / 626 / MX6 / Capella / Cronos	92-97	22.33	20.13	24.68	4.55
Mazda	626	98-02	24.78	21.01	28.97	7.96
Mazda	RX7	82-85	38.03	27.79	49.45	21.65
Mazda	RX7	86-91	24.12	15.84	34.94	19.09
Mazda	Eunos 500	93-99	19.07	10.94	31.13	20.19
Mazda	6 / Atenza	02-07	19.51	16.22	23.28	7.05
Mazda	RX-8	03-11	17.74	9.73	30.15	20.42
Mercedes Benz	C-Class W201	87-93	25.43	18.85	33.37	14.53
Mercedes Benz	C-Class W202	95-00	23.93	18.88	29.83	10.95
Mercedes Benz	CLK C208	97-03	22.28	13.39	34.70	21.31
Mercedes Benz	SLK R170	97-04	23.29	11.53	41.43	29.89
Mercedes Benz	C-Class W203	00-07	20.55	15.65	26.50	10.85
Mercedes Benz	CLK C209	03-09	21.48	12.28	34.84	22.55
Mercedes Benz	C-Class W204 / C204	07-12	20.05	12.41	30.75	18.33
Nissan	Pintara	86-88	23.50	20.66	26.60	5.94
Nissan / Ford	Pintara / Corsair / Bluebird	89-92	25.24	23.16	27.44	4.28
Nissan	Bluebird	82-86	22.88	20.98	24.90	3.91
Nissan	Bluebird	93-97	21.04	18.15	24.24	6.09
Nissan	200SX / Silvia	94-02	27.81	21.33	35.38	14.05
Nissan	350Z / Fairlady	03-09	30.56	18.52	46.01	27.49
Honda	Accord Euro	03-08	24.08	19.92	28.80	8.88
Honda	Accord	03-07	22.77	17.42	29.17	11.75
Honda	Accord	82-85	19.53	16.29	23.25	6.95
Honda	Accord	86-90	25.46	22.27	28.95	6.68
Honda	Accord	91-93	20.12	16.40	24.43	8.04
Honda	Accord	94-98	21.08	18.36	24.08	5.73
Honda	Accord	99-02	24.34	19.12	30.45	11.32
Honda	Accord	08-12	25.95	17.19	37.16	19.97
Honda	Accord Euro	08-12	25.89	15.09	40.71	25.61
Honda	Prelude	82-82	17.92	6.88	39.19	32.30
Honda	Prelude	83-91	23.58	20.83	26.58	5.76
Honda	Prelude	92-96	21.34	17.23	26.11	8.87
Honda	Prelude	97-02	28.33	21.67	36.09	14.43
Peugeot	405	89-97	22.79	16.90	29.99	13.09
Peugeot	505	82-93	27.73	19.16	38.33	19.17
Peugeot	406	96-04	26.35	17.48	37.67	20.19
Renault	Feugo	82-87	14.59	6.92	28.18	21.26
Saab	900 Series	82-92	17.25	11.82	24.47	12.65

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Saab	900/9-3	94-02	19.92	15.18	25.69	10.51
Saab	9000	86-97	21.75	15.98	28.90	12.92
Saab	9-3	03-11	28.55	18.35	41.55	23.20
Subaru	1800 / Leone / Omega / 4WD Wagon	82-93	20.58	18.20	23.19	4.99
Subaru	Liberty / Legacy	89-93	22.81	20.52	25.26	4.74
Subaru	Liberty / Legacy / Outback	94-98	27.18	24.17	30.42	6.25
Subaru	Liberty / Legacy / Outback	99-03	22.91	19.72	26.44	6.72
Subaru	Liberty / Legacy / Outback	03-09	21.23	17.40	25.64	8.24
Toyota	Corona	82-88	24.24	22.60	25.94	3.34
Toyota	Camry	83-86	21.28	17.93	25.06	7.13
Holden / Toyota	Apollo JK/JL / Camry / Vista	88-92	23.26	22.07	24.49	2.43
Holden / Toyota	Apollo JM/JP / Camry / Sceptor	93-97	23.93	22.54	25.38	2.83
Toyota	Camry	98-02	24.02	22.48	25.63	3.15
Toyota	Celica	81-85	22.45	18.79	26.58	7.78
Toyota	Celica	86-89	23.32	19.34	27.84	8.50
Toyota	Celica	90-93	24.57	20.80	28.79	7.99
Toyota	Celica	94-99	21.33	16.80	26.70	9.90
Toyota	Celica	00-05	23.85	16.12	33.77	17.65
Lexus	IS200 / IS300	99-04	26.24	17.86	36.78	18.92
Toyota	Camry	02-06	21.91	19.78	24.20	4.42
Lexus	IS350 / IS250 / IS F	05-12	18.98	11.26	30.19	18.93
Toyota	Camry	06-11	26.44	22.73	30.51	7.78
Volvo	200 Series	82-93	23.95	19.98	28.42	8.44
Volvo	S60	01-09	20.82	11.30	35.18	23.88
Volkswagen	Passat	98-06	28.31	21.17	36.75	15.58
People Movers			**24.33**	**22.82**	**25.91**	**3.10**
Chrysler	Voyager	97-01	19.44	12.65	28.67	16.02
Holden	Zafira TT	01-05	26.06	16.90	37.90	21.00
Mitsubishi	Nimbus / Chariot / Spacewagon	85-91	20.03	14.28	27.34	13.06
Mitsubishi	Nimbus / Chariot	92-98	27.68	21.93	34.26	12.33
Mitsubishi	Nimbus	99-03	21.45	13.08	33.14	20.06
Mitsubishi	Starwagon / L300	83-86	25.48	22.13	29.15	7.03
Mitsubishi	Starwagon / Delica Starwagon	87-93	25.02	22.59	27.61	5.02
Mitsubishi	Starwagon / Delica Spacegear	95-03	23.65	19.52	28.34	8.82
Kia	Carnival	99-06	26.50	20.95	32.90	11.95
Kia	Carnival	06-11	34.25	23.69	46.64	22.95
Mazda	MPV	94-99	26.91	16.93	39.94	23.01
Mazda	MPV	00-06	29.96	17.84	45.73	27.90
Nissan	Prairie	84-86	24.09	17.36	32.42	15.06
Nissan	Serena	92-95	18.03	12.52	25.28	12.75
Honda	Odyssey	95-00	27.56	22.87	32.79	9.92
Honda	Odyssey	00-02	28.81	18.53	41.86	23.33
Honda	Odyssey	04-09	21.32	14.66	29.94	15.28
Toyota	Tarago	83-89	27.69	24.43	31.21	6.78
Toyota	Tarago / Previa / Estima	91-99	25.38	21.92	29.19	7.26
Toyota	Tarago / Previa / Estima	00-06	28.13	22.03	35.17	13.14
Toyota	Spacia	93-00	18.70	6.68	42.47	35.79
Toyota	Avensis Verso	01-10	28.75	15.52	46.99	31.48
Toyota	Tarago	06-12	16.02	9.19	26.46	17.27
Chrysler	Voyager	97-01	19.44	12.65	28.67	16.02
Holden	Zafira TT	01-05	26.06	16.90	37.90	21.00

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Mitsubishi	Nimbus / Chariot / Spacewagon	85-91	20.03	14.28	27.34	13.06
Mitsubishi	Nimbus / Chariot	92-98	27.68	21.93	34.26	12.33
Mitsubishi	Nimbus	99-03	21.45	13.08	33.14	20.06
Mitsubishi	Starwagon / L300	83-86	25.48	22.13	29.15	7.03
Small Cars			**21.64**	**20.56**	**22.76**	**2.20**
Alfa Romeo	33	83-92	26.24	17.68	37.08	19.40
Alfa Romeo	75	86-92	24.49	11.38	45.02	33.64
Alfa Romeo	147 / GT	01-10	26.23	15.11	41.54	26.43
Audi	A3	04-12	15.20	6.79	30.60	23.81
Audi	A3/S3	97-04	25.80	16.68	37.66	20.98
BMW	1 Series E81 / E82 / E87 / E88	04-12	15.55	9.75	23.90	14.15
Chrysler	Neon	96-99	20.32	13.36	29.66	16.30
Citroen	C4	05-10	19.62	9.41	36.43	27.02
Daihatsu	Applause	89-99	20.35	16.56	24.75	8.19
Daewoo	1.5i	94-95	13.39	3.46	40.01	36.56
Daewoo	Cielo	95-97	20.95	17.61	24.73	7.13
Daewoo	Nubira	97-03	21.75	18.22	25.75	7.52
Daewoo	Lanos	97-03	21.14	18.50	24.05	5.54
Daewoo	Lacetti	03-04	25.12	12.97	43.02	30.04
Ford	Laser	91-94	22.13	20.45	23.91	3.47
Ford	Laser	95-97	24.04	21.10	27.24	6.15
Ford	Escort	82-82	18.90	13.91	25.16	11.25
Ford	Capri	89-94	18.30	14.08	23.44	9.36
Ford	Focus LR	02-05	24.18	19.90	29.04	9.14
Ford	Focus LS / LT	05-09	26.32	21.83	31.37	9.55
Ford	Focus LV	09-12	18.60	10.54	30.69	20.14
Fiat	Regata	84-88	31.16	17.79	48.64	30.85
Holden	Gemini	82-84	22.28	19.33	25.54	6.20
Holden	Gemini RB	86-87	21.19	15.26	28.65	13.39
Holden	Astra TR	96-98	24.29	19.17	30.28	11.11
Holden	Astra TS	98-06	22.70	20.81	24.71	3.90
Holden	Astra AH	04-09	22.34	18.74	26.41	7.68
Holden	Viva JF	05-09	24.50	18.68	31.42	12.74
Holden	Cruze JG / JH	09-12	22.03	15.89	29.72	13.83
Hyundai	Excel	86-90	21.71	18.16	25.73	7.57
Hyundai	Excel	90-94	22.75	20.34	25.35	5.01
Hyundai	Excel / Accent	95-00	23.32	21.86	24.84	2.99
Hyundai	Elantra	00-06	21.84	18.36	25.76	7.41
Hyundai	Accent	06-09	21.07	11.08	36.38	25.30
Hyundai	i30	07-12	27.47	21.06	34.97	13.91
Hyundai	S Coupe	90-96	22.10	16.18	29.42	13.23
Hyundai	Lantra	91-95	22.17	17.35	27.89	10.54
Hyundai	Lantra	96-00	23.44	20.53	26.63	6.10
Hyundai	Coupe	96-00	17.72	11.95	25.47	13.52
Hyundai	Accent	00-06	21.48	18.74	24.49	5.75
Mitsubishi	Lancer / Mirage CA	89-90	22.31	19.73	25.12	5.39
Mitsubishi	Lancer / Mirage CB	91-92	25.92	20.61	32.04	11.43
Mitsubishi	Lancer / Mirage CC	93-95	21.37	18.99	23.97	4.98
Mitsubishi	Lancer / Mirage CE	96-03	22.49	20.93	24.14	3.21
Mitsubishi	Cordia	83-87	27.53	23.52	31.93	8.41
Mitsubishi	Lancer CH	03-07	22.91	19.26	27.01	7.75
Mitsubishi	Lancer CJ	08-12	21.62	16.24	28.19	11.95

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Kia	Rio	00-05	25.34	21.24	29.94	8.70
Kia	Spectra	01-04	23.68	14.53	36.16	21.62
Kia	Cerato LD	04-08	24.69	17.33	33.91	16.58
Kia	Rio JB	05-11	19.88	14.72	26.31	11.59
Ford / Mazda	Laser / 323 / Familia	82-88	22.33	21.31	23.38	2.07
Mazda	323 / Familia / Lantis	90-93	19.91	17.70	22.31	4.61
Mazda	323 / Familia / Lantis	95-98	21.00	18.42	23.84	5.41
Ford / Mazda	Laser / 323	99-03	21.15	18.83	23.68	4.85
Mazda	MX5 / Eunos Roadster	89-97	18.50	11.14	29.12	17.99
Mazda	MX5 / Eunos Roadster	98-05	14.56	7.28	26.99	19.72
Mazda	Eunos 30X / Presso / MX-3 / Autozam AZ-3	90-97	19.06	11.05	30.88	19.83
Mazda	3 / Axela	03-09	19.67	17.29	22.29	5.00
Mazda	3 / Axela	09-12	21.29	15.84	28.01	12.17
Mercedes Benz	A-Class W168	98-04	26.25	17.45	37.46	20.01
Holden / Nissan	Astra / Pulsar / Langley	84-86	26.11	23.73	28.63	4.90
Holden / Nissan	Astra / Pulsar / Vector / Sentra	88-90	24.03	22.18	25.99	3.81
Nissan	Pulsar / Vector / Sentra	92-95	24.17	21.96	26.53	4.56
Nissan	Pulsar / Vector / Sentra	96-99	22.52	20.56	24.60	4.04
Nissan	Pulsar / Bluebird Sylphy	00-05	20.46	18.15	22.98	4.83
Nissan	Stanza	82-83	33.29	22.58	46.04	23.46
Nissan	Gazelle / Silvia	84-86	25.47	19.64	32.33	12.70
Nissan	Exa	83-86	26.46	17.99	37.11	19.12
Nissan	Exa	87-91	36.60	23.91	51.47	27.56
Nissan	NX/NX-R	91-96	26.29	20.27	33.34	13.07
Nissan	Tiida	06-12	18.39	12.41	26.40	14.00
Honda	Civic	82-83	23.45	17.69	30.40	12.72
Honda	Civic / Ballade / Shuttle	84-87	23.11	19.71	26.90	7.19
Honda	Civic / Shuttle	88-91	20.56	18.03	23.35	5.32
Honda	Civic	92-95	23.64	21.03	26.47	5.43
Honda	Civic	96-00	18.60	16.15	21.32	5.17
Honda	CRX	87-91	21.83	16.11	28.88	12.77
Honda	CRX	92-98	29.57	18.08	44.41	26.33
Honda	Civic	01-05	20.79	16.75	25.52	8.77
Honda	Civic	06-11	23.74	15.23	35.03	19.80
Honda	Integra	86-88	17.18	12.30	23.49	11.19
Honda	Integra	90-92	24.70	19.34	30.97	11.64
Honda	Integra	93-01	19.90	15.72	24.86	9.14
Honda	Integra	02-06	30.78	19.20	45.41	26.22
Honda	Concerto	89-93	27.77	20.94	35.83	14.89
Peugeot	306	94-01	20.09	15.42	25.74	10.31
Peugeot	307	01-09	20.04	14.37	27.23	12.86
Proton	Wira	95-96	29.00	22.54	36.43	13.89
Renault	Megane II	03-10	23.93	13.14	39.54	26.40
Renault	19	91-96	20.84	11.82	34.09	22.27
Renault	Scenic	01-04	22.93	13.63	35.93	22.30
Rover	Quintet	82-86	10.69	3.89	26.15	22.27
MG	MGF / MG TF	99-05	28.23	15.79	45.22	29.43
Subaru	Impreza	93-00	26.78	24.01	29.74	5.73
Subaru	Impreza	01-07	20.76	17.32	24.68	7.35
Subaru	Impreza	07-11	25.94	18.51	35.07	16.56
Suzuki	Baleno / Cultus Crescent	95-02	14.25	10.26	19.46	9.20
Suzuki	Liana	01-07	20.99	13.43	31.27	17.84
Toyota	Corolla	82-84	21.53	19.60	23.60	4.00

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Toyota	Corolla	86-88	23.64	21.93	25.43	3.50
Toyota / Holden	Corolla / Nova	89-93	22.60	21.32	23.94	2.63
Toyota / Holden	Corolla / Nova	94-97	22.15	20.57	23.80	3.23
Toyota	Corolla / Allex	98-01	22.79	20.28	25.51	5.23
Toyota	Corolla	02-07	22.14	20.34	24.04	3.70
Toyota	Corolla	07-12	23.81	20.72	27.21	6.48
Toyota	Tercel	83-88	18.73	11.95	28.12	16.17
Toyota	MR2	87-90	22.89	14.84	33.59	18.75
Toyota	MR2	91-00	28.46	19.21	39.95	20.74
Toyota	Paseo / Cynos	91-99	25.94	20.20	32.64	12.44
Toyota	Corolla 4WD Wagon	92-96	26.85	17.81	38.33	20.52
Toyota	Prius II	03-09	23.50	16.83	31.82	14.99
Volvo	S40/V40	97-04	23.37	16.76	31.60	14.84
Volkswagen	Golf	82-94	28.91	19.07	41.25	22.19
Volkswagen	Golf	95-98	25.34	19.12	32.76	13.65
Volkswagen	Golf / Bora	99-04	19.81	16.28	23.88	7.60
Volkswagen	New Beetle	00-11	28.89	20.40	39.18	18.79
Volkswagen	Golf / Jetta	04-09	20.42	13.62	29.46	15.84
Light Cars			**21.09**	**19.94**	**22.29**	**2.36**
Mini	Mini Cooper	02-12	23.15	15.40	33.27	17.87
Daihatsu	Charade	82-86	23.59	19.08	28.78	9.70
Daihatsu	Charade	88-92	21.55	18.69	24.72	6.02
Daihatsu	Charade	93-00	22.67	19.52	26.16	6.64
Daihatsu	Pyzar	97-01	25.98	15.96	39.34	23.38
Daihatsu	Sirion / Storia	98-04	23.73	18.28	30.21	11.93
Daihatsu	Mira	90-96	22.35	16.41	29.69	13.28
Daewoo	Matiz	99-04	19.77	13.83	27.45	13.63
Daewoo	Kalos	03-04	18.63	11.10	29.56	18.45
Ford	Festiva WD/WH/WF	94-01	20.07	18.32	21.93	3.62
Ford	Ka	99-02	19.55	12.51	29.24	16.73
Ford	Fiesta WP/WQ	04-08	29.60	17.99	44.63	26.63
Ford	Fiesta WS	09-12	26.35	17.65	37.39	19.74
Holden	Barina XC / Combo	01-12	22.27	18.83	26.14	7.31
Holden	Barina SB	95-00	23.02	20.31	25.97	5.66
Holden	Barina TK	05-11	17.65	13.74	22.39	8.65
Hyundai	Getz / TB	02-11	27.83	24.89	30.98	6.09
Mitsubishi	Mirage / Colt	82-88	22.05	20.07	24.16	4.08
Mitsubishi	Colt	04-11	21.88	15.23	30.39	15.16
Ford / Mazda	Festiva WA / 121	87-90	20.82	18.23	23.69	5.46
Mazda	121 / Autozam Review	94-96	19.83	16.24	23.99	7.74
Mazda	121 Metro / Demio	97-02	20.56	16.97	24.67	7.70
Mazda	2 / Demio	02-07	26.22	20.06	33.49	13.42
Mazda	2 / Demio	07-12	24.24	18.47	31.14	12.67
Nissan	Micra	95-97	19.44	13.03	27.99	14.96
Honda	Jazz / Fit	02-08	22.77	18.63	27.53	8.90
Honda	Jazz GE / Fit	08-12	15.53	9.23	24.96	15.73
Honda	City	83-86	24.75	19.08	31.46	12.38
Peugeot	205	87-94	16.61	7.61	32.51	24.90
Peugeot	206	99-07	19.22	13.24	27.05	13.81
Proton	Satria	97-05	28.47	13.05	51.34	38.28
Renault	Clio	01-08	28.80	16.17	45.89	29.71
Subaru	Sherpa / Fiori / 700 / Rex	89-92	22.15	15.89	29.99	14.10

Make	Model of Car	Years of Manufacture	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Suzuki	Swift	82-85	23.32	11.24	42.22	30.98
Holden / Suzuki	Barina / Swift / Cultus	86-88	20.47	17.31	24.05	6.74
Holden / Suzuki	Barina / Swift / Cultus	89-99	21.04	19.21	22.98	3.77
Suzuki	Hatch / Alto	82-84	26.91	19.32	36.15	16.82
Suzuki	Alto	85-00	29.84	21.36	39.97	18.62
Suzuki	Ignis	00-02	17.78	11.71	26.06	14.36
Suzuki	Swift	05-10	23.32	19.45	27.70	8.25
Toyota	Starlet	96-99	21.62	18.48	25.12	6.63
Toyota	Echo	99-05	22.91	20.24	25.81	5.57
Toyota	Yaris / Vitz	05-11	20.79	17.57	24.42	6.84
Toyota	Yaris / Vitz	11-12	16.89	9.25	28.82	19.56
Volkswagen	Polo	96-00	20.28	14.12	28.25	14.13
Volkswagen	Polo	02-10	22.97	15.28	33.02	17.75

AGGRESSIVITY RATINGS
(WITH 95% CONFIDENCE LIMITS)

New South Wales and Victoria Data (1987-2012), South Australia Data (1995-2012), Queensland Data (1991-2012), Western Australia and New Zealand Data (1991-2012)

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
ALL VEHICLE AVERAGE			**3.85**			
Small Sports Utility Vehicles			**3.52**	**3.21**	**3.86**	**0.65**
Daihatsu	Feroza / Rocky	89-97	4.63	3.35	6.39	3.04
Daihatsu	Rocky / Rugger	85-98	5.61	3.69	8.55	4.86
Daihatsu	Terios	97-05	3.20	2.17	4.70	2.53
Holden	Cruze	02-06	3.47	2.33	5.16	2.83
Hyundai	Tucson	04-10	4.25	2.86	6.32	3.46
Hyundai	ix35	10-12	2.29	0.86	6.11	5.25
Mitsubishi	Outlander	03-06	3.35	2.19	5.13	2.94
Mitsubishi / Peugeot	Outlander / 4007	06-12	2.80	1.75	4.46	2.71
Kia	Sportage	98-03	4.24	3.09	5.81	2.72
Kia	Sportage KM	05-10	6.34	3.56	11.27	7.71
Nissan	X-Trail	01-07	3.82	3.16	4.62	1.46
Nissan	Dualis	07-12	4.02	2.11	7.67	5.56
Lada	Niva	84-99	4.64	2.90	7.42	4.52
Honda	HR-V	99-02	5.05	3.41	7.47	4.06
Land Rover	Freelander	98-06	4.89	2.91	8.22	5.31
Suzuki	Vitara / Escudo	88-98	4.33	3.65	5.14	1.49
Holden / Suzuki	Drover / Sierra / Samurai / SJ410 / SJ413	82-99	3.76	3.13	4.51	1.39
Suzuki	Jimny	98-10	4.34	2.64	7.14	4.50
Suzuki	SX4	07-12	3.09	1.61	5.92	4.31
Medium Sports Utility Vehicles			**3.96**	**3.68**	**4.26**	**0.58**
Daewoo / Ssangong	Musso	98-06	4.54	2.80	7.37	4.57
Holden / Isuzu	Jackaroo / Bighorn	82-91	6.32	4.88	8.18	3.30
Holden / Isuzu	Jackaroo / Bighorn	92-97	5.31	4.04	6.98	2.94
Holden / Isuzu	Jackaroo / Bighorn	98-02	6.15	4.70	8.03	3.33
Holden	Frontera / Mu	95-03	5.19	3.49	7.73	4.24
Holden	Adventra	03-06	4.55	2.89	7.17	4.29
Holden	Captiva CG	06-12	3.40	2.38	4.84	2.45
Hyundai	Santa Fe	00-06	5.38	3.74	7.75	4.01
Hyundai	Terracan	01-07	9.32	6.08	14.30	8.22
Mitsubishi	Pajero	82-90	5.56	4.63	6.68	2.04
Mitsubishi	Pajero	92-99	5.40	4.69	6.22	1.53
Mitsubishi	Pajero NM / NP	00-06	4.94	3.95	6.18	2.23
Mitsubishi	Pajero NS / NT / NW	07-12	6.80	4.38	10.55	6.17
Mitsubishi	Challenger	98-06	4.13	2.86	5.96	3.10
Jeep	Cherokee XJ	96-00	5.29	4.25	6.59	2.35

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Jeep	Wrangler	96-04	5.93	4.18	8.40	4.22
Jeep	Cherokee KJ	01-07	5.29	3.58	7.80	4.22
Jeep	Wrangler	05-12	3.52	1.74	7.12	5.39
Land Rover	Defender	92-12	3.99	2.41	6.59	4.18
Ford / Mazda	Escape / Tribute	01-06	4.26	3.41	5.31	1.90
Mazda	CX-7	06-12	3.93	2.37	6.49	4.12
Ford / Mazda	Escape / Tribute	06-12 / 06-08	2.59	1.10	6.09	4.98
Nissan	Pathfinder / Terrano	88-94	5.53	4.30	7.13	2.83
Nissan	Pathfinder / Terrano / Regulus	95-05	5.64	4.46	7.13	2.67
Nissan	Murano	05-08	4.54	2.29	8.97	6.68
Nissan	Pathfinder	05-12	4.59	2.79	7.55	4.75
Honda	CR-V	97-01	3.63	2.99	4.41	1.43
Honda	CR-V	02-06	3.31	2.63	4.17	1.54
Honda	CR-V	07-12	3.37	2.27	5.01	2.74
Subaru	Tribeca	06-12	4.29	2.18	8.46	6.28
Subaru	Forester	08-12	4.12	2.71	6.25	3.54
Subaru	Forester	97-02	3.14	2.48	3.97	1.50
Subaru	Forester	02-08	3.36	2.67	4.23	1.56
Suzuki	Grand Vitara	99-05	3.87	2.78	5.39	2.61
Suzuki	Grand Vitara / Escudo	05-08	3.12	1.68	5.78	4.09
Suzuki	Grand Vitara JT	08-12	7.85	4.31	14.30	10.00
Toyota	RAV4	94-00	4.38	3.72	5.15	1.43
Toyota	RAV4	01-06	4.50	3.77	5.36	1.58
Lexus	RX330	03-05	3.99	2.11	7.54	5.43
Toyota	RAV4	06-12	3.10	2.40	4.02	1.63
Large Sports Utility Vehicles			**5.39**	**5.05**	**5.76**	**0.72**
Ford	Bronco	82-87	7.43	4.28	12.88	8.60
Ford	Explorer	00-01	4.50	2.87	7.05	4.18
Ford	Explorer	01-05	3.32	1.95	5.65	3.70
Ford	Territory SX/SY	04-10	4.20	2.75	6.41	3.66
Jeep	Grand Cherokee ZG	96-99	5.21	3.44	7.89	4.45
Jeep	Grand Cherokee WG	99-05	5.32	3.74	7.57	3.82
Kia	Sorento	03-09	3.26	1.73	6.13	4.40
Land Rover	Discovery	91-02	4.28	3.35	5.47	2.12
Mercedes Benz	M-Class W163	98-05	4.26	2.87	6.33	3.46
Mercedes Benz	M / GL -Class W164 / X164	05-11	4.61	2.50	8.49	5.99
Nissan	Patrol / Safari	82-87	7.00	5.70	8.61	2.91
Nissan / Ford	Patrol / Maverick / Safari	88-97	5.92	5.40	6.50	1.10
Nissan	Patrol / Safari	98-12	6.15	5.53	6.84	1.31
Land Rover	Range Rover	82-94	6.90	5.17	9.22	4.05
Land Rover	Range Rover	95-02	4.82	2.78	8.35	5.57
Toyota	Landcruiser	82-89	7.20	6.57	7.89	1.32
Toyota	Landcruiser	90-97	6.66	6.19	7.16	0.98
Toyota	Landcruiser	98-07	6.20	5.64	6.83	1.19
Toyota	Kluger / Highlander	03-07	3.68	2.61	5.18	2.57
Toyota	Landcruiser Prado	96-03	6.79	5.48	8.41	2.93
Toyota	Landcruiser Prado	03-09	5.70	4.86	6.69	1.83
Toyota	Kluger / Highlander	07-12	3.08	2.13	4.45	2.32

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Toyota	Landcruiser 200 Series	07-12	6.83	4.72	9.89	5.17
Volvo	XC90	03-12	3.63	1.94	6.81	4.87
Commercial - Utes			**4.46**	**4.18**	**4.75**	**0.57**
Ford / Nissan	Falcon Ute / XFN Ute	82-95	4.80	4.33	5.33	1.00
Ford	Falcon Ute	96-99	5.18	4.27	6.28	2.01
Ford	Falcon Ute AU	00-02	5.25	4.51	6.13	1.62
Ford	Falcon Ute BA/BF	03-08	3.97	3.36	4.70	1.35
Ford	Ford F-Series	82-92	6.89	5.39	8.81	3.42
Ford	F-Series	01-06	7.00	4.58	10.70	6.11
Holden	Commodore Ute VG/VP	90-93	3.44	2.63	4.51	1.88
Holden / Isuzu	Rodeo / Pickup	82-85	5.12	3.63	7.23	3.61
Holden / Isuzu	Rodeo / Pickup	86-88	5.55	3.53	8.71	5.17
Holden / Isuzu	Rodeo / Pickup	89-95	5.84	5.25	6.50	1.24
Holden	Rodeo	96-98	5.06	4.30	5.94	1.64
Holden	Rodeo	99-02	5.93	5.13	6.85	1.71
Holden	WB Series	82-85	5.31	4.23	6.67	2.44
Holden	Commodore Ute VR/VS	94-00	4.89	4.37	5.47	1.10
Holden	Commodore VU Ute	00-02	4.82	3.91	5.95	2.03
Holden	Commodore VY/VZ Ute	02-07	4.85	4.26	5.51	1.25
Holden	Rodeo	03-08	5.24	4.61	5.96	1.35
Holden	Commodore VE Ute	07-12	4.25	3.09	5.85	2.76
Holden	Colorado RC / RG	08-12	5.24	3.43	8.00	4.57
Mitsubishi	Triton MK	96-06	4.22	3.40	5.24	1.83
Mitsubishi	Triton ML / MN	06-12	4.55	3.53	5.86	2.33
Kia	Ceres	92-00	3.64	2.65	5.00	2.35
Kia	K2700	02-08	4.57	2.38	8.78	6.40
Ford / Mazda	Courier / B-Series / Bounty	98-02	4.81	4.00	5.78	1.78
Ford / Mazda	Courier / Bravo / Bounty	03-06	4.03	3.25	5.00	1.74
Ford / Mazda	Ranger / BT-50	06-11	4.51	3.72	5.48	1.76
Nissan	720 Ute	82-85	3.99	3.05	5.23	2.18
Nissan	Navara	86-91	5.37	4.67	6.18	1.50
Nissan	Navara	92-96	5.31	4.42	6.37	1.95
Nissan	Navara	97-05	5.15	4.46	5.94	1.48
Nissan	Navara	05-12	4.26	3.33	5.45	2.12
Proton	Jumbuck	03-10	2.07	0.76	5.67	4.91
Subaru	Brumby	82-92	4.37	3.30	5.78	2.48
Suzuki	Mighty Boy	85-88	2.48	1.26	4.88	3.62
Toyota	4Runner/Hilux	82-85	6.09	5.33	6.95	1.62
Toyota	4Runner/Hilux	86-88	5.64	4.92	6.46	1.54
Toyota	4Runner/Hilux	89-97	5.32	4.98	5.69	0.70
Toyota	Hilux	98-02	5.49	4.93	6.10	1.17
Toyota	Hilux	03-04	5.35	4.48	6.38	1.90
Toyota	Hilux	05-12	4.72	4.15	5.36	1.20
Commercial - Vans			**4.85**	**4.51**	**5.23**	**0.72**
Daihatsu	Handivan	82-90	2.81	1.81	4.36	2.55
Daihatsu	Handivan / Cuore	99-03	2.00	0.80	5.01	4.21

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Ford	Falcon Panel Van	82-95	4.28	3.59	5.12	1.53
Ford	Falcon Panel Van	96-99	5.43	3.65	8.08	4.43
Ford	Transit	95-00	4.83	3.68	6.34	2.66
Ford	Transit	01-07	4.39	3.38	5.69	2.31
Holden	Shuttle / WFR Van	82-87	4.51	2.81	7.26	4.45
Hyundai	iLoad	08-12	2.71	1.45	5.08	3.63
Mitsubishi	Express	94-12	4.24	2.68	6.71	4.03
Kia	Pregio	02-06	5.68	4.24	7.62	3.38
Mercedes Benz	MB100 / MB140	99-04	4.70	3.03	7.28	4.25
Mercedes Benz	Vito	99-04	5.89	4.16	8.33	4.17
Mercedes Benz	Sprinter	98-06	5.46	3.85	7.72	3.87
Mercedes Benz	Vito / Viano / Valente	04-12	6.06	3.46	10.60	7.14
Honda	Acty	83-86	1.89	0.81	4.41	3.60
Holden / Suzuki	Scurry / Carry	82-00	3.03	1.75	5.22	3.47
Toyota	Hiace/Liteace	82-86	6.34	5.56	7.23	1.67
Toyota	Hiace/Liteace	87-89	6.38	5.44	7.48	2.03
Toyota	Hiace/Liteace	90-95	6.42	5.75	7.16	1.41
Toyota	Hiace/Liteace	96-04	5.83	5.23	6.50	1.27
Toyota	Hiace	05-12	5.32	4.03	7.02	3.00
Volkswagen	Caravelle / Transporter	88-94	5.05	2.64	9.68	7.05
Volkswagen	Caravelle / Transporter	95-04	6.94	5.19	9.28	4.08
Volkswagen	Caddy	05-12	4.75	2.68	8.42	5.74
Large Cars			**3.71**	**3.48**	**3.95**	**0.46**
BMW	5 Series E60 / E61	03-10	4.35	2.46	7.70	5.25
BMW	5 Series E28	82-88	4.58	3.22	6.53	3.31
BMW	5 Series E34	89-95	4.18	3.07	5.69	2.62
BMW	5 Series E39	96-03	3.03	2.11	4.36	2.24
BMW	7 Series E23	82-86	2.49	1.00	6.22	5.22
BMW	7 Series E32	87-94	4.23	2.31	7.73	5.42
BMW	7 Series E38	95-01	4.99	2.63	9.46	6.83
Chrysler	300C	06-11	4.25	2.23	8.08	5.85
Ford	Falcon XE/XF	82-88	4.55	4.32	4.79	0.46
Ford	Fairlane Z & LTD F	82-87	4.40	3.82	5.07	1.25
Ford	Falcon EA / Falcon EB Series I	88-Mar 92	4.48	4.25	4.72	0.47
Ford	Falcon EB Series II / Falcon ED	Apr 92-94	4.44	4.12	4.78	0.66
Ford	Fairlane N & LTD D	88-94	3.89	3.34	4.54	1.21
Ford	Fairlane N & LTD D	95-98	4.95	4.04	6.07	2.03
Ford	Fairlane & LTD AU	99-02	3.53	2.61	4.77	2.16
Ford	Fairlane & LTD BA/BF	03-07	4.03	2.82	5.77	2.95
Ford	Falcon FG	08-12	2.63	2.05	3.36	1.31
Ford	Falcon EF/EL	94-98	4.53	4.31	4.76	0.45
Ford	Falcon AU	98-02	4.34	4.08	4.62	0.54
Ford	Taurus	96-98	4.50	3.01	6.73	3.73
Ford	Falcon BA/BF	02-08	4.30	4.02	4.60	0.58
Holden / Toyota	Commodore VN/VP / Lexcen	89-93	3.95	3.75	4.15	0.39
Holden	Statesman/Caprice WB	82-85	8.68	4.24	17.79	13.55
Holden	Stateman/Caprice VQ	90-93	4.19	2.72	6.46	3.75
Holden	Stateman/Caprice VR/VS	94-98	3.99	3.39	4.70	1.31

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Holden / Toyota	Commodore VR/VS / Lexcen	93-97	4.05	3.85	4.25	0.40
Holden	Commodore VT/VX	97-02	4.68	4.46	4.92	0.46
Holden	Statesman/Caprice WH	99-03	4.94	3.90	6.27	2.37
Holden	Commodore VY/VZ	02-07	3.89	3.59	4.22	0.63
Holden	Monaro	01-05	5.00	3.71	6.72	3.01
Holden	Statesman/Caprice WK/WL	03-06	4.35	3.00	6.32	3.32
Holden	Commodore VB-VL	82-88	4.25	4.02	4.49	0.47
Holden	Commodore VE	06-12	4.01	3.59	4.48	0.89
Holden	Statesman/Caprice WM	06-12	3.47	1.84	6.56	4.73
Hyundai	Sonata	89-97	4.14	3.50	4.90	1.40
Hyundai	Grandeaur / XG	99-00	4.22	2.53	7.03	4.49
Mitsubishi	Magna TM/TN/TP / Sigma / V3000	85-90	4.12	3.84	4.42	0.58
Mitsubishi	Magna TE/TF/TH/TJ / Verada KE/KF/KH/KJ / Diamante	96-03	4.11	3.81	4.42	0.60
Mitsubishi	Magna TR/TS / Verada KR/KS / V3000 / Diamante	91-96	4.13	3.87	4.41	0.54
Mitsubishi	Magna TL/TW / Verada KL/KW	03-05	4.12	3.30	5.15	1.85
Mitsubishi	380	05-08	4.03	3.01	5.40	2.39
Jaguar	XJ6	82-86	5.86	3.56	9.63	6.07
Jaguar	XJ6	87-94	4.15	2.50	6.87	4.37
Jaguar	S-Type	99-08	3.87	2.05	7.29	5.24
Mazda	929 / Luce	82-90	3.71	3.05	4.52	1.47
Mazda	929 / Sentia / Efini MS-9	92-96	6.06	3.53	10.39	6.86
Mercedes Benz	E-Class W123	82-85	3.90	2.34	6.50	4.16
Mercedes Benz	E-Class W124	86-94	4.00	3.02	5.30	2.28
Mercedes Benz	E-Class W210	96-02	3.68	2.54	5.35	2.81
Mercedes Benz	S-Class W126	82-92	2.66	1.76	4.01	2.25
Mercedes Benz	S-Class C140	93-98	4.51	2.41	8.46	6.06
Mercedes Benz	S-Class W220	99-06	4.67	2.19	9.92	7.73
Mercedes Benz	E-Class W211	02-09	3.63	2.26	5.85	3.59
Nissan	Skyline	83-88	4.51	3.96	5.13	1.17
Nissan	300ZX / Fairlady Z	90-95	5.60	3.82	8.22	4.40
Nissan	Maxima	90-94	4.30	3.29	5.61	2.32
Nissan	Maxima / Cefiro	95-99	3.59	2.85	4.53	1.68
Nissan	Maxima	00-02	4.12	2.92	5.81	2.89
Nissan	Maxima	06-09	3.59	2.44	5.28	2.84
Honda	Legend	86-95	5.01	3.66	6.86	3.20
Rover	3500	82-87	6.31	3.11	12.83	9.73
Saab	9-5	98-05	1.38	0.54	3.49	2.94
Toyota	Crown / Cressida / Mark II	82-85	4.99	4.02	6.18	2.16
Toyota	Crown / Cressida / Mark II	86-88	4.15	2.89	5.97	3.08
Toyota	Cressida / Mark II	89-93	2.60	1.98	3.41	1.43
Toyota	Supra	82-90	6.37	4.39	9.25	4.85
Lexus	ES300 / Windom	92-01	2.97	1.97	4.47	2.49
Lexus	LS400 / Celsior	90-00	4.76	2.66	8.54	5.88
Lexus	GS300	97-04	3.41	1.45	8.05	6.60
Toyota	Avalon	00-05	4.70	4.01	5.51	1.50
Toyota	Aurion	06-12	3.55	2.77	4.55	1.77
Volvo	850/S70/V70/C70	92-99	4.90	3.94	6.09	2.15
Volvo	700/900 Series	84-92	3.94	3.06	5.08	2.01

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Medium Cars			**3.32**	**3.11**	**3.54**	**0.43**
Alfa Romeo	156	99-06	1.92	1.05	3.53	2.48
Alfa Romeo	GTV / Spider	98-04	2.81	1.01	7.80	6.79
Audi	A4	95-01	3.13	2.21	4.44	2.23
Audi	A4	01-08	3.10	2.16	4.44	2.27
BMW	Z3 E36	97-03	3.24	1.61	6.50	4.89
BMW	3 Series E90 /E91 /E92 /E93	05-12	3.80	2.76	5.24	2.48
BMW	3 Series E30	82-91	3.32	2.75	4.02	1.27
BMW	3 Series E36	92-98	3.41	2.95	3.94	0.99
BMW	3 Series E46	99-06	3.45	2.87	4.16	1.29
Chrysler	PT Cruiser	00-10	3.48	1.87	6.47	4.60
Daewoo	Espero	95-97	4.22	2.95	6.04	3.09
Daewoo	Leganza	97-02	5.66	4.13	7.74	3.61
Ford	Cortina	82-82	4.23	3.53	5.08	1.55
Ford	Mondeo	95-01	3.74	3.12	4.49	1.37
Ford	Mondeo	07-12	3.19	1.83	5.57	3.74
Ford	Probe	94-98	5.69	3.30	9.81	6.50
Ford	Cougar	99-03	2.51	1.66	3.80	2.14
Holden	Calibra	94-97	5.46	3.70	8.04	4.34
Holden	Camira	82-89	4.10	3.73	4.50	0.78
Holden	Vectra	97-03	3.96	3.40	4.61	1.22
Holden	Vectra ZC	03-05	4.16	2.81	6.16	3.35
Hyundai	Sonata	98-01	3.13	2.21	4.43	2.22
Hyundai	Sonata EF	02-05	4.95	2.93	8.37	5.45
Hyundai	Tiburon	02-10	6.16	2.98	12.75	9.77
Hyundai	Sonata NF	05-10	5.15	3.01	8.82	5.82
Mitsubishi	Sigma / Galant / Sapporo / Lambda	82-84	3.83	3.48	4.21	0.73
Mitsubishi	Galant	95-96	3.33	2.62	4.23	1.61
Jaguar	X-Type	02-10	4.52	2.39	8.57	6.18
Ford / Mazda	Telstar / 626 / MX6 / Capella	83-86	3.56	3.20	3.96	0.76
Ford / Mazda	Telstar / 626 / MX6 / Capella	88-91	3.74	3.34	4.19	0.85
Ford / Mazda	Telstar / 626 / MX6 / Capella / Cronos	92-97	3.17	2.79	3.60	0.81
Mazda	626	98-02	3.51	2.86	4.30	1.44
Mazda	RX7	82-85	5.34	3.45	8.27	4.83
Mazda	RX7	86-91	4.45	2.69	7.36	4.67
Mazda	Eunos 500	93-99	3.33	1.84	6.05	4.21
Mazda	6 / Atenza	02-07	2.76	2.23	3.41	1.18
Mazda	RX-8	03-11	3.88	2.06	7.29	5.23
Mercedes Benz	C-Class W201	87-93	3.75	2.63	5.34	2.71
Mercedes Benz	C-Class W202	95-00	2.73	2.04	3.65	1.61
Mercedes Benz	CLK C208	97-03	2.80	1.47	5.34	3.86
Mercedes Benz	SLK R170	97-04	4.02	1.85	8.74	6.89
Mercedes Benz	C-Class W203	00-07	2.86	2.09	3.92	1.82
Mercedes Benz		CLK C209	03-09	3.05	1.63	5.72
Mercedes Benz	C-Class W204 / C204	07-12	2.74	1.55	4.85	3.30
Nissan	Pintara	86-88	3.81	3.28	4.43	1.15
Nissan / Ford	Pintara / Corsair / Bluebird	89-92	4.19	3.77	4.65	0.88

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Nissan	Bluebird	82-86	3.52	3.16	3.92	0.76
Nissan	Bluebird	93-97	3.33	2.74	4.05	1.32
Nissan	200SX / Silvia	94-02	4.30	3.15	5.87	2.72
Nissan	350Z / Fairlady	03-09	5.16	2.87	9.27	6.40
Honda	Accord Euro	03-08	3.67	2.93	4.60	1.67
Honda	Accord	03-07	3.52	2.59	4.78	2.19
Honda	Accord	82-85	2.81	2.20	3.57	1.37
Honda	Accord	86-90	3.87	3.22	4.66	1.44
Honda	Accord	91-93	3.56	2.81	4.52	1.72
Honda	Accord	94-98	3.72	3.16	4.37	1.21
Honda	Accord	99-02	4.34	3.23	5.84	2.61
Honda	Accord	08-12	4.96	3.06	8.06	5.00
Honda	Accord Euro	08-12	3.79	2.02	7.10	5.07
Honda	Prelude	82-82	2.11	0.72	6.22	5.50
Honda	Prelude	83-91	3.52	2.98	4.16	1.18
Honda	Prelude	92-96	3.10	2.39	4.03	1.64
Honda	Prelude	97-02	4.35	3.14	6.05	2.91
Peugeot	405	89-97	2.95	1.95	4.45	2.50
Peugeot	505	82-93	4.06	2.60	6.35	3.76
Peugeot	406	96-04	2.45	1.33	4.50	3.17
Renault	Feugo	82-87	1.99	0.84	4.67	3.82
Saab	900 Series	82-92	2.28	1.49	3.51	2.02
Saab	900/9-3	94-02	2.93	2.15	3.99	1.84
Saab	9000	86-97	3.29	2.31	4.67	2.36
Saab	9-3	03-11	5.39	3.24	8.97	5.72
Subaru	1800 / Leone / Omega / 4WD Wagon	82-93	3.15	2.71	3.65	0.93
Subaru	Liberty / Legacy	89-93	3.81	3.34	4.33	0.99
Subaru	Liberty / Legacy / Outback	94-98	4.34	3.71	5.08	1.37
Subaru	Liberty / Legacy / Outback	99-03	3.64	3.05	4.34	1.30
Subaru	Liberty / Legacy / Outback	03-09	3.19	2.53	4.02	1.50
Toyota	Corona	82-88	3.81	3.51	4.14	0.63
Toyota	Camry	83-86	3.71	3.05	4.51	1.46
Holden / Toyota	Apollo JK/JL / Camry / Vista	88-92	4.17	3.93	4.43	0.51
Holden / Toyota	Apollo JM/JP / Camry / Sceptor	93-97	4.07	3.80	4.35	0.56
Toyota	Camry	98-02	4.22	3.91	4.55	0.64
Toyota	Celica	81-85	4.39	3.57	5.39	1.82
Toyota	Celica	86-89	4.28	3.44	5.32	1.88
Toyota	Celica	90-93	4.56	3.75	5.54	1.79
Toyota	Celica	94-99	3.58	2.73	4.69	1.96
Toyota	Celica	00-05	3.40	2.19	5.28	3.09
Lexus	IS200 / IS300	99-04	4.08	2.69	6.18	3.49
Toyota	Camry	02-06	3.73	3.32	4.19	0.86
Lexus	IS350 / IS250 / IS F	05-12	2.68	1.51	4.76	3.25
Toyota	Camry	06-11	3.51	2.92	4.21	1.28
Volvo	200 Series	82-93	3.78	3.06	4.67	1.61
Volvo	S60	01-09	3.68	1.88	7.19	5.31
Volkswagen	Passat	98-06	3.88	2.62	5.73	3.11
People Movers			**4.17**	**3.85**	**4.51**	**0.67**

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Chrysler	Voyager	97-01	4.29	2.71	6.80	4.08
Holden	Zafira TT	01-05	3.71	2.24	6.13	3.89
Mitsubishi	Nimbus / Chariot / Spacewagon	85-91	2.74	1.67	4.52	2.85
Mitsubishi	Nimbus / Chariot	92-98	3.94	2.90	5.35	2.45
Mitsubishi	Nimbus	99-03	2.40	1.32	4.38	3.06
Mitsubishi	Starwagon / L300	83-86	5.80	4.87	6.91	2.04
Mitsubishi	Starwagon / Delica Starwagon	87-93	5.07	4.49	5.74	1.25
Mitsubishi	Starwagon / Delica Spacegear	95-03	5.39	4.34	6.69	2.35
Kia	Carnival	99-06	5.72	4.41	7.42	3.01
Kia	Carnival	06-11	6.09	4.00	9.27	5.27
Mazda	MPV	94-99	6.01	3.67	9.84	6.16
Mazda	MPV	00-06	4.39	2.39	8.05	5.66
Nissan	Prairie	84-86	3.46	2.11	5.67	3.56
Nissan	Serena	92-95	2.64	1.47	4.72	3.25
Honda	Odyssey	95-00	5.32	4.04	7.01	2.97
Honda	Odyssey	00-02	5.32	3.17	8.93	5.77
Honda	Odyssey	04-09	3.35	2.18	5.17	2.99
Toyota	Tarago	83-89	5.02	4.31	5.84	1.52
Toyota	Tarago / Previa / Estima	91-99	4.68	3.95	5.54	1.59
Toyota	Tarago / Previa / Estima	00-06	4.44	3.35	5.88	2.53
Toyota	Spacia	93-00	2.87	1.03	7.94	6.91
Toyota	Avensis Verso	01-10	3.92	1.98	7.75	5.77
Toyota	Tarago	06-12	2.46	1.36	4.44	3.07
Small Cars			**2.83**	**2.65**	**3.02**	**0.37**
Alfa Romeo	33	83-92	2.18	1.24	3.81	2.57
Alfa Romeo	75	86-92	5.25	2.38	11.62	9.24
Alfa Romeo	147 / GT	01-10	2.83	1.47	5.46	3.99
Audi	A3	04-12	1.62	0.64	4.12	3.48
Audi	A3/S3	97-04	3.94	2.39	6.50	4.11
BMW	1 Series E81 / E82 / E87 / E88	04-12	2.64	1.56	4.45	2.88
Chrysler	Neon	96-99	3.35	2.11	5.32	3.21
Citroen	C4	05-10	3.22	1.44	7.21	5.77
Daihatsu	Applause	89-99	3.06	2.43	3.84	1.40
Daewoo	1.5i	94-95	2.65	0.71	9.83	9.11
Daewoo	Cielo	95-97	2.95	2.43	3.58	1.15
Daewoo	Nubira	97-03	3.32	2.73	4.04	1.32
Daewoo	Lanos	97-03	3.51	3.02	4.07	1.05
Daewoo	Lacetti	03-04	4.23	2.08	8.59	6.51
Ford	Laser	91-94	3.20	2.92	3.52	0.60
Ford	Laser	95-97	3.23	2.77	3.76	1.00
Ford	Escort	82-82	3.20	2.31	4.43	2.12
Ford	Capri	89-94	3.14	2.35	4.19	1.84
Ford	Focus LR	02-05	3.81	3.04	4.77	1.74
Ford	Focus LS / LT	05-09	3.51	2.81	4.39	1.58
Ford	Focus LV	09-12	2.80	1.48	5.30	3.82
Fiat	Regata	84-88	4.01	1.89	8.52	6.63
Holden	Gemini	82-84	3.13	2.65	3.71	1.06

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Holden	Gemini RB	86-87	2.87	1.98	4.17	2.19
Holden	Astra TR	96-98	3.34	2.52	4.43	1.91
Holden	Astra TS	98-06	3.22	2.91	3.57	0.65
Holden	Astra AH	04-09	3.48	2.85	4.25	1.40
Holden	Viva JF	05-09	3.31	2.43	4.51	2.07
Holden	Cruze JG / JH	09-12	3.56	2.45	5.18	2.73
Hyundai	Excel	86-90	3.65	2.97	4.47	1.50
Hyundai	Excel	90-94	3.39	2.99	3.84	0.85
Hyundai	Excel / Accent	95-00	3.34	3.10	3.60	0.49
Hyundai	Elantra	00-06	3.55	2.94	4.30	1.36
Hyundai	Accent	06-09	2.85	1.45	5.61	4.17
Hyundai	i30	07-12	3.44	2.48	4.77	2.28
Hyundai	S Coupe	90-96	2.96	2.09	4.19	2.10
Hyundai	Lantra	91-95	3.65	2.80	4.75	1.96
Hyundai	Lantra	96-00	3.70	3.18	4.30	1.13
Hyundai	Coupe	96-00	2.99	1.97	4.54	2.57
Hyundai	Accent	00-06	3.57	3.07	4.15	1.08
Mitsubishi	Lancer / Mirage CA	89-90	3.03	2.61	3.52	0.92
Mitsubishi	Lancer / Mirage CB	91-92	4.22	3.19	5.58	2.39
Mitsubishi	Lancer / Mirage CC	93-95	2.83	2.47	3.25	0.78
Mitsubishi	Lancer / Mirage CE	96-03	3.20	2.95	3.47	0.52
Mitsubishi	Cordia	83-87	4.90	3.93	6.11	2.18
Mitsubishi	Lancer CH	03-07	3.13	2.58	3.79	1.21
Mitsubishi	Lancer CJ	08-12	3.05	2.20	4.23	2.02
Kia	Rio	00-05	3.44	2.81	4.21	1.40
Kia	Spectra	01-04	3.55	2.06	6.11	4.05
Kia	Cerato LD	04-08	3.23	2.18	4.80	2.62
Kia	Rio JB	05-11	2.30	1.64	3.22	1.58
Ford / Mazda	Laser / 323 / Familia	82-88	3.29	3.11	3.49	0.38
Mazda	323 / Familia / Lantis	90-93	2.84	2.44	3.31	0.86
Mazda	323 / Familia / Lantis	95-98	2.81	2.42	3.28	0.86
Ford / Mazda	Laser / 323	99-03	2.90	2.54	3.31	0.77
Mazda	MX5 / Eunos Roadster	89-97	2.84	1.62	5.01	3.39
Mazda	MX5 / Eunos Roadster	98-05	1.52	0.73	3.19	2.47
Mazda	Eunos 30X / Presso / MX-3 / Autozam AZ-3	90-97	2.64	1.47	4.72	3.25
Mazda	3 / Axela	03-09	2.76	2.39	3.19	0.80
Mazda	3 / Axela	09-12	2.29	1.57	3.35	1.78
Mercedes Benz	A-Class W168	98-04	3.24	1.97	5.31	3.34
Holden / Nissan	Astra / Pulsar / Langley	84-86	3.73	3.32	4.20	0.89
Holden / Nissan	Astra / Pulsar / Vector / Sentra	88-90	3.66	3.33	4.02	0.70
Nissan	Pulsar / Vector / Sentra	92-95	3.61	3.22	4.06	0.85
Nissan	Pulsar / Vector / Sentra	96-99	3.23	2.91	3.59	0.68
Nissan	Pulsar / Bluebird Sylphy	00-05	2.67	2.34	3.06	0.72
Nissan	Stanza	82-83	5.93	3.73	9.42	5.70
Nissan	Gazelle / Silvia	84-86	3.43	2.17	5.40	3.23
Nissan	Exa	83-86	5.70	3.64	8.94	5.29
Nissan	Exa	87-91	6.73	3.91	11.58	7.66
Nissan	NX/NX-R	91-96	5.75	4.27	7.73	3.45
Nissan	Tiida	06-12	2.23	1.41	3.52	2.11

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Honda	Civic	82-83	2.63	1.71	4.04	2.33
Honda	Civic / Ballade / Shuttle	84-87	3.68	3.01	4.51	1.51
Honda	Civic / Shuttle	88-91	3.00	2.55	3.52	0.97
Honda	Civic	92-95	3.62	3.14	4.17	1.02
Honda	Civic	96-00	2.97	2.54	3.48	0.94
Honda	CRX	87-91	3.50	2.19	5.60	3.41
Honda	CRX	92-98	5.05	2.78	9.16	6.38
Honda	Civic	01-05	2.90	2.26	3.73	1.47
Honda	Civic	06-11	3.28	1.99	5.41	3.42
Honda	Integra	86-88	2.54	1.67	3.86	2.19
Honda	Integra	90-92	4.72	3.46	6.45	2.99
Honda	Integra	93-01	3.20	2.41	4.26	1.86
Honda	Integra	02-06	4.81	2.85	8.11	5.26
Honda	Concerto	89-93	3.47	2.33	5.15	2.82
Peugeot	306	94-01	2.64	1.92	3.63	1.71
Peugeot	307	01-09	2.50	1.68	3.71	2.03
Proton	Wira	95-96	3.96	2.98	5.27	2.29
Renault	Megane II	03-10	3.73	1.81	7.68	5.86
Renault	19	91-96	3.33	1.75	6.32	4.57
Renault	Scenic	01-04	3.03	1.61	5.71	4.11
Rover	Quintet	82-86	1.41	0.47	4.22	3.75
MG	MGF / MG TF	99-05	2.76	1.35	5.65	4.30
Subaru	Impreza	93-00	4.12	3.60	4.72	1.13
Subaru	Impreza	01-07	3.02	2.46	3.70	1.23
Subaru	Impreza	07-11	3.00	2.01	4.49	2.48
Suzuki	Baleno / Cultus Crescent	95-02	1.71	1.20	2.42	1.22
Suzuki	Liana	01-07	2.67	1.62	4.40	2.77
Toyota	Corolla	82-84	2.92	2.60	3.28	0.68
Toyota	Corolla	86-88	3.36	3.07	3.68	0.61
Toyota / Holden	Corolla / Nova	89-93	3.36	3.14	3.60	0.46
Toyota / Holden	Corolla / Nova	94-97	2.98	2.74	3.25	0.51
Toyota	Corolla / Allex	98-01	3.26	2.86	3.73	0.87
Toyota	Corolla	02-07	3.09	2.80	3.40	0.60
Toyota	Corolla	07-12	3.36	2.85	3.96	1.11
Toyota	Tercel	83-88	3.32	2.01	5.51	3.50
Toyota	MR2	87-90	3.11	1.71	5.67	3.96
Toyota	MR2	91-00	4.45	2.45	8.07	5.61
Toyota	Paseo / Cynos	91-99	3.66	2.76	4.86	2.11
Toyota	Corolla 4WD Wagon	92-96	5.58	3.61	8.62	5.01
Toyota	Prius II	03-09	2.82	1.85	4.28	2.43
Volvo	S40/V40	97-04	3.69	2.54	5.34	2.80
Volkswagen	Golf	82-94	4.48	2.61	7.71	5.10
Volkswagen	Golf	95-98	3.52	2.54	4.88	2.34
Volkswagen	Golf / Bora	99-04	2.94	2.34	3.70	1.36
Volkswagen	New Beetle	00-11	4.91	3.23	7.46	4.24
Volkswagen	Golf / Jetta	04-09	3.51	2.12	5.81	3.69
Light Cars			**2.52**	**2.35**	**2.71**	**0.35**
Mini	Mini Cooper	02-12	3.73	2.29	6.07	3.78

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Daihatsu	Charade	82-86	3.15	2.41	4.11	1.70
Daihatsu	Charade	88-92	2.63	2.23	3.09	0.86
Daihatsu	Charade	93-00	3.11	2.64	3.67	1.03
Daihatsu	Pyzar	97-01	2.72	1.52	4.86	3.34
Daihatsu	Sirion / Storia	98-04	2.30	1.70	3.12	1.42
Daihatsu	Mira	90-96	2.77	1.89	4.06	2.18
Daewoo	Matiz	99-04	2.39	1.62	3.54	1.92
Daewoo	Kalos	03-04	2.64	1.51	4.59	3.08
Ford	Festiva WD/WH/WF	94-01	3.01	2.72	3.33	0.61
Ford	Ka	99-02	2.34	1.41	3.89	2.48
Ford	Fiesta WP/WQ	04-08	3.71	2.11	6.50	4.39
Ford	Fiesta WS	09-12	4.95	3.14	7.82	4.68
Holden	Barina XC / Combo	01-12	3.27	2.70	3.96	1.26
Holden	Barina SB	95-00	3.12	2.71	3.59	0.88
Holden	Barina TK	05-11	2.15	1.63	2.83	1.20
Hyundai	Getz / TB	02-11	3.91	3.42	4.46	1.03
Mitsubishi	Mirage / Colt	82-88	3.31	2.96	3.70	0.74
Mitsubishi	Colt	04-11	2.46	1.57	3.86	2.29
Ford / Mazda	Festiva WA / 121	87-90	2.88	2.47	3.34	0.87
Mazda	121 / Autozam Review	94-96	2.39	1.92	2.99	1.07
Mazda	121 Metro / Demio	97-02	2.46	1.98	3.06	1.08
Mazda	2 / Demio	02-07	3.20	2.35	4.35	2.00
Mazda	2 / Demio	07-12	2.86	2.07	3.96	1.89
Nissan	Micra	95-97	2.62	1.71	4.03	2.32
Honda	Jazz / Fit	02-08	2.72	2.15	3.45	1.31
Honda	Jazz GE / Fit	08-12	1.82	1.00	3.33	2.33
Honda	City	83-86	2.72	1.63	4.52	2.89
Peugeot	205	87-94	2.12	0.88	5.13	4.25
Peugeot	206	99-07	2.47	1.62	3.77	2.16
Proton	Satria	97-05	3.54	1.60	7.86	6.27
Renault	Clio	01-08	3.17	1.56	6.42	4.85
Subaru	Sherpa / Fiori / 700 / Rex	89-92	2.65	1.73	4.04	2.31
Suzuki	Swift	82-85	3.40	1.47	7.90	6.43
Holden / Suzuki	Barina / Swift / Cultus	86-88	2.75	2.26	3.36	1.10
Holden / Suzuki	Barina / Swift / Cultus	89-99	2.65	2.40	2.94	0.55
Suzuki	Hatch / Alto	82-84	3.65	2.43	5.46	3.03
Suzuki	Alto	85-00	4.86	2.98	7.95	4.97
Suzuki	Ignis	00-02	2.06	1.28	3.32	2.04
Suzuki	Swift	05-10	3.04	2.47	3.75	1.29
Toyota	Starlet	96-99	2.78	2.33	3.32	0.99
Toyota	Echo	99-05	2.68	2.33	3.10	0.77
Toyota	Yaris / Vitz	05-11	2.51	2.07	3.04	0.97
Toyota	Yaris / Vitz	11-12	2.52	1.26	5.03	3.77
Volkswagen	Polo	96-00	2.38	1.53	3.71	2.18
Volkswagen	Polo	02-10	3.59	2.24	5.74	3.50

AGGRESSIVITY RATINGS
(WITH 90% CONFIDENCE LIMITS)

New South Wales and Victoria Data (1987-2012), South Australia Data (1995-2012), Queensland Data (1991-2012), Western Australia and New Zealand Data (1991-2012)

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
ALL VEHICLE AVERAGE			**3.85**			
Small Sports Utility Vehicles			**3.52**	**3.26**	**3.80**	**0.55**
Daihatsu	Feroza / Rocky	89-97	4.63	3.53	6.06	2.53
Daihatsu	Rocky / Rugger	85-98	5.61	3.95	7.98	4.03
Daihatsu	Terios	97-05	3.20	2.32	4.41	2.10
Holden	Cruze	02-06	3.47	2.48	4.84	2.35
Hyundai	Tucson	04-10	4.25	3.05	5.92	2.87
Hyundai	ix35	10-12	2.29	1.01	5.20	4.20
Mitsubishi	Outlander	03-06	3.35	2.34	4.78	2.44
Mitsubishi / Peugeot	Outlander / 4007	06-12	2.80	1.89	4.14	2.25
Kia	Sportage	98-03	4.24	3.25	5.52	2.27
Kia	Sportage KM	05-10	6.34	3.91	10.26	6.35
Nissan	X-Trail	01-07	3.82	3.26	4.48	1.22
Nissan	Dualis	07-12	4.02	2.34	6.90	4.56
Lada	Niva	84-99	4.64	3.13	6.88	3.74
Honda	HR-V	99-02	5.05	3.64	7.01	3.37
Land Rover	Freelander	98-06	4.89	3.17	7.55	4.39
Suzuki	Vitara / Escudo	88-98	4.33	3.75	5.00	1.24
Holden / Suzuki	Drover / Sierra / Samurai / SJ410 / SJ413	82-99	3.76	3.22	4.38	1.16
Suzuki	Jimny	98-10	4.34	2.87	6.58	3.72
Suzuki	SX4	07-12	3.09	1.79	5.32	3.53
Daihatsu	Feroza / Rocky	89-97	4.63	3.53	6.06	2.53
Daihatsu	Rocky / Rugger	85-98	5.61	3.95	7.98	4.03
Daihatsu	Terios	97-05	3.20	2.32	4.41	2.10
Holden	Cruze	02-06	3.47	2.48	4.84	2.35
Hyundai	Tucson	04-10	4.25	3.05	5.92	2.87
Hyundai	ix35	10-12	2.29	1.01	5.20	4.20
Medium Sports Utility Vehicles			**3.96**	**3.73**	**4.21**	**0.49**
Daewoo / Ssangong	Musso	98-06	4.54	3.03	6.81	3.78
Holden / Isuzu	Jackaroo / Bighorn	82-91	6.32	5.09	7.84	2.75
Holden / Isuzu	Jackaroo / Bighorn	92-97	5.31	4.23	6.68	2.45
Holden / Isuzu	Jackaroo / Bighorn	98-02	6.15	4.91	7.69	2.78
Holden	Frontera / Mu	95-03	5.19	3.72	7.25	3.52
Holden	Adventra	03-06	4.55	3.11	6.66	3.55
Holden	Captiva CG	06-12	3.40	2.53	4.56	2.04
Hyundai	Santa Fe	00-06	5.38	3.97	7.30	3.33
Hyundai	Terracan	01-07	9.32	6.52	13.33	6.81
Mitsubishi	Pajero	82-90	5.56	4.77	6.48	1.71

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Mitsubishi	Pajero	92-99	5.40	4.80	6.07	1.28
Mitsubishi	Pajero NM / NP	00-06	4.94	4.09	5.96	1.86
Mitsubishi	Pajero NS / NT / NW	07-12	6.80	4.71	9.82	5.12
Mitsubishi	Challenger	98-06	4.13	3.03	5.61	2.58
Jeep	Cherokee XJ	96-00	5.29	4.40	6.36	1.96
Jeep	Wrangler	96-04	5.93	4.43	7.93	3.51
Jeep	Cherokee KJ	01-07	5.29	3.82	7.32	3.50
Jeep	Wrangler	05-12	3.52	1.95	6.35	4.40
Land Rover	Defender	92-12	3.99	2.62	6.07	3.45
Ford / Mazda	Escape / Tribute	01-06	4.26	3.54	5.13	1.59
Mazda	CX-7	06-12	3.93	2.58	5.98	3.40
Ford / Mazda	Escape / Tribute	06-12 / 06-08	2.59	1.27	5.29	4.03
Nissan	Pathfinder / Terrano	88-94	5.53	4.48	6.84	2.36
Nissan	Pathfinder / Terrano / Regulus	95-05	5.64	4.63	6.87	2.23
Nissan	Murano	05-08	4.54	2.56	8.03	5.46
Nissan	Pathfinder	05-12	4.59	3.03	6.96	3.93
Honda	CR-V	97-01	3.63	3.08	4.27	1.19
Honda	CR-V	02-06	3.31	2.73	4.01	1.28
Honda	CR-V	07-12	3.37	2.42	4.70	2.27
Subaru	Tribeca	06-12	4.29	2.44	7.57	5.13
Subaru	Forester	08-12	4.12	2.90	5.84	2.94
Subaru	Forester	97-02	3.14	2.58	3.82	1.25
Subaru	Forester	02-08	3.36	2.77	4.08	1.30
Suzuki	Grand Vitara	99-05	3.87	2.93	5.11	2.17
Suzuki	Grand Vitara / Escudo	05-08	3.12	1.86	5.23	3.36
Suzuki	Grand Vitara JT	08-12	7.85	4.75	12.97	8.22
Toyota	RAV4	94-00	4.38	3.82	5.02	1.19
Toyota	RAV4	01-06	4.50	3.88	5.21	1.32
Lexus	RX330	03-05	3.99	2.34	6.80	4.46
Toyota	RAV4	06-12	3.10	2.50	3.85	1.36
Large Sports Utility Vehicles			**5.39**	**5.10**	**5.70**	**0.60**
Ford	Bronco	82-87	7.43	4.69	11.77	7.09
Ford	Explorer	00-01	4.50	3.09	6.55	3.46
Ford	Explorer	01-05	3.32	2.13	5.18	3.05
Ford	Territory SX/SY	04-10	4.20	2.94	5.98	3.03
Jeep	Grand Cherokee ZG	96-99	5.21	3.68	7.37	3.69
Jeep	Grand Cherokee WG	99-05	5.32	3.96	7.14	3.18
Kia	Sorento	03-09	3.26	1.92	5.53	3.61
Land Rover	Discovery	91-02	4.28	3.48	5.25	1.77
Mercedes Benz	M-Class W163	98-05	4.26	3.06	5.93	2.87
Mercedes Benz	M / GL -Class W164 / X164	05-11	4.61	2.77	7.68	4.92
Nissan	Patrol / Safari	82-87	7.00	5.89	8.32	2.43
Nissan / Ford	Patrol / Maverick / Safari	88-97	5.92	5.48	6.40	0.92
Nissan	Patrol / Safari	98-12	6.15	5.62	6.72	1.10
Land Rover	Range Rover	82-94	6.90	5.42	8.79	3.37
Land Rover	Range Rover	95-02	4.82	3.04	7.64	4.59
Toyota	Landcruiser	82-89	7.20	6.67	7.77	1.10
Toyota	Landcruiser	90-97	6.66	6.26	7.08	0.82

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Toyota	Landcruiser	98-07	6.20	5.72	6.72	0.99
Toyota	Kluger / Highlander	03-07	3.68	2.76	4.90	2.14
Toyota	Landcruiser Prado	96-03	6.79	5.67	8.12	2.45
Toyota	Landcruiser Prado	03-09	5.70	4.99	6.52	1.53
Toyota	Kluger / Highlander	07-12	3.08	2.26	4.19	1.92
Toyota	Landcruiser 200 Series	07-12	6.83	5.02	9.31	4.29
Volvo	XC90	03-12	3.63	2.15	6.15	4.00
Commercial - Utes			**4.46**	**4.22**	**4.70**	**0.48**
Ford / Nissan	Falcon Ute / XFN Ute	82-95	4.80	4.40	5.24	0.84
Ford	Falcon Ute	96-99	5.18	4.40	6.09	1.68
Ford	Falcon Ute AU	00-02	5.25	4.62	5.97	1.35
Ford	Falcon Ute BA/BF	03-08	3.97	3.45	4.57	1.12
Ford	Ford F-Series	82-92	6.89	5.61	8.47	2.85
Ford	F-Series	01-06	7.00	4.91	9.98	5.07
Holden	Commodore Ute VG/VP	90-93	3.44	2.75	4.31	1.56
Holden / Isuzu	Rodeo / Pickup	82-85	5.12	3.84	6.84	3.00
Holden / Isuzu	Rodeo / Pickup	86-88	5.55	3.80	8.09	4.29
Holden / Isuzu	Rodeo / Pickup	89-95	5.84	5.34	6.38	1.04
Holden	Rodeo	96-98	5.06	4.42	5.79	1.37
Holden	Rodeo	99-02	5.93	5.26	6.69	1.43
Holden	WB Series	82-85	5.31	4.39	6.42	2.03
Holden	Commodore Ute VR/VS	94-00	4.89	4.45	5.37	0.92
Holden	Commodore VU Ute	00-02	4.82	4.05	5.75	1.70
Holden	Commodore VY/VZ Ute	02-07	4.85	4.35	5.40	1.05
Holden	Rodeo	03-08	5.24	4.71	5.83	1.13
Holden	Commodore VE Ute	07-12	4.25	3.25	5.55	2.30
Holden	Colorado RC / RG	08-12	5.24	3.68	7.47	3.79
Mitsubishi	Triton MK	96-06	4.22	3.52	5.06	1.53
Mitsubishi	Triton ML / MN	06-12	4.55	3.68	5.62	1.94
Kia	Ceres	92-00	3.64	2.79	4.75	1.96
Kia	K2700	02-08	4.57	2.65	7.89	5.24
Ford / Mazda	Courier / B-Series / Bounty	98-02	4.81	4.13	5.61	1.48
Ford / Mazda	Courier / Bravo / Bounty	03-06	4.03	3.37	4.83	1.45
Ford / Mazda	Ranger / BT-50	06-11	4.51	3.84	5.31	1.47
Nissan	720 Ute	82-85	3.99	3.18	5.00	1.82
Nissan	Navara	86-91	5.37	4.78	6.04	1.26
Nissan	Navara	92-96	5.31	4.55	6.18	1.63
Nissan	Navara	97-05	5.15	4.57	5.80	1.24
Nissan	Navara	05-12	4.26	3.47	5.24	1.77
Proton	Jumbuck	03-10	2.07	0.89	4.81	3.91
Subaru	Brumby	82-92	4.37	3.46	5.52	2.06
Suzuki	Mighty Boy	85-88	2.48	1.40	4.37	2.96
Toyota	4Runner/Hilux	82-85	6.09	5.45	6.80	1.35
Toyota	4Runner/Hilux	86-88	5.64	5.03	6.32	1.28
Toyota	4Runner/Hilux	89-97	5.32	5.04	5.63	0.59
Toyota	Hilux	98-02	5.49	5.02	6.00	0.98
Toyota	Hilux	03-04	5.35	4.61	6.20	1.58
Toyota	Hilux	05-12	4.72	4.24	5.25	1.00

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Commercial - Vans			**4.85**	**4.56**	**5.16**	**0.60**
Daihatsu	Handivan	82-90	2.81	1.94	4.06	2.12
Daihatsu	Handivan / Cuore	99-03	2.00	0.92	4.31	3.39
Ford	Falcon Panel Van	82-95	4.28	3.69	4.97	1.28
Ford	Falcon Panel Van	96-99	5.43	3.90	7.57	3.68
Ford	Transit	95-00	4.83	3.85	6.06	2.21
Ford	Transit	01-07	4.39	3.53	5.46	1.93
Holden	Shuttle / WFR Van	82-87	4.51	3.03	6.71	3.68
Hyundai	iLoad	08-12	2.71	1.60	4.58	2.98
Mitsubishi	Express	94-12	4.24	2.88	6.22	3.34
Kia	Pregio	02-06	5.68	4.44	7.26	2.82
Mercedes Benz	MB100 / MB140	99-04	4.70	3.26	6.78	3.52
Mercedes Benz	Vito	99-04	5.89	4.40	7.87	3.47
Mercedes Benz	Sprinter	98-06	5.46	4.08	7.30	3.22
Mercedes Benz	Vito / Viano / Valente	04-12	6.06	3.79	9.68	5.88
Honda	Acty	83-86	1.89	0.93	3.84	2.91
Holden / Suzuki	Scurry / Carry	82-00	3.03	1.92	4.78	2.86
Toyota	Hiace/Liteace	82-86	6.34	5.68	7.08	1.39
Toyota	Hiace/Liteace	87-89	6.38	5.59	7.29	1.70
Toyota	Hiace/Liteace	90-95	6.42	5.85	7.04	1.18
Toyota	Hiace/Liteace	96-04	5.83	5.32	6.38	1.06
Toyota	Hiace	05-12	5.32	4.21	6.71	2.50
Volkswagen	Caravelle / Transporter	88-94	5.05	2.93	8.71	5.78
Volkswagen	Caravelle / Transporter	95-04	6.94	5.44	8.85	3.40
Volkswagen	Caddy	05-12	4.75	2.94	7.67	4.73
Large Cars			**3.71**	**3.52**	**3.91**	**0.39**
BMW	5 Series E60 / E61	03-10	4.35	2.70	7.02	4.32
BMW	5 Series E28	82-88	4.58	3.41	6.16	2.75
BMW	5 Series E34	89-95	4.18	3.23	5.41	2.19
BMW	5 Series E39	96-03	3.03	2.24	4.11	1.86
BMW	7 Series E23	82-86	2.49	1.16	5.36	4.20
BMW	7 Series E32	87-94	4.23	2.55	7.00	4.45
BMW	7 Series E38	95-01	4.99	2.92	8.52	5.60
Chrysler	300C	06-11	4.25	2.48	7.28	4.80
Ford	Falcon XE/XF	82-88	4.55	4.36	4.75	0.39
Ford	Fairlane Z & LTD F	82-87	4.40	3.91	4.96	1.05
Ford	Falcon EA / Falcon EB Series I	88-Mar 92	4.48	4.29	4.68	0.40
Ford	Falcon EB Series II / Falcon ED	Apr 92-94	4.44	4.17	4.72	0.55
Ford	Fairlane N & LTD D	88-94	3.89	3.42	4.43	1.01
Ford	Fairlane N & LTD D	95-98	4.95	4.17	5.87	1.70
Ford	Fairlane & LTD AU	99-02	3.53	2.74	4.54	1.80
Ford	Fairlane & LTD BA/BF	03-07	4.03	2.99	5.44	2.46
Ford	Falcon FG	08-12	2.63	2.14	3.23	1.09
Ford	Falcon EF/EL	94-98	4.53	4.34	4.72	0.38
Ford	Falcon AU	98-02	4.34	4.12	4.57	0.45
Ford	Taurus	96-98	4.50	3.21	6.31	3.09

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Ford	Falcon BA/BF	02-08	4.30	4.07	4.55	0.49
Holden / Toyota	Commodore VN/VP / Lexcen	89-93	3.95	3.78	4.11	0.33
Holden	Statesman/Caprice WB	82-85	8.68	4.77	15.83	11.06
Holden	Stateman/Caprice VQ	90-93	4.19	2.92	6.02	3.11
Holden	Stateman/Caprice VR/VS	94-98	3.99	3.48	4.57	1.09
Holden / Toyota	Commodore VR/VS / Lexcen	93-97	4.05	3.88	4.22	0.34
Holden	Commodore VT/VX	97-02	4.68	4.50	4.88	0.38
Holden	Statesman/Caprice WH	99-03	4.94	4.05	6.03	1.98
Holden	Commodore VY/VZ	02-07	3.89	3.64	4.16	0.53
Holden	Monaro	01-05	5.00	3.90	6.41	2.51
Holden	Statesman/Caprice WK/WL	03-06	4.35	3.19	5.95	2.76
Holden	Commodore VB-VL	82-88	4.25	4.05	4.45	0.39
Holden	Commodore VE	06-12	4.01	3.65	4.40	0.75
Holden	Statesman/Caprice WM	06-12	3.47	2.04	5.92	3.88
Hyundai	Sonata	89-97	4.14	3.60	4.76	1.17
Hyundai	Grandeaur / XG	99-00	4.22	2.75	6.47	3.71
Mitsubishi	Magna TM/TN/TP / Sigma / V3000	85-90	4.12	3.89	4.37	0.49
Mitsubishi	Magna TE/TF/TH/TJ / Verada KE/KF/KH/KJ / Diamante	96-03	4.11	3.86	4.37	0.51
Mitsubishi	Magna TR/TS / Verada KR/KS / V3000 / Diamante	91-96	4.13	3.91	4.36	0.45
Mitsubishi	Magna TL/TW / Verada KL/KW	03-05	4.12	3.42	4.97	1.55
Mitsubishi	380	05-08	4.03	3.15	5.15	1.99
Jaguar	XJ6	82-86	5.86	3.86	8.88	5.02
Jaguar	XJ6	87-94	4.15	2.72	6.33	3.61
Jaguar	S-Type	99-08	3.87	2.27	6.58	4.30
Mazda	929 / Luce	82-90	3.71	3.15	4.38	1.23
Mazda	929 / Sentia / Efini MS-9	92-96	6.06	3.85	9.52	5.66
Mercedes Benz	E-Class W123	82-85	3.90	2.54	5.98	3.44
Mercedes Benz	E-Class W124	86-94	4.00	3.16	5.06	1.90
Mercedes Benz	E-Class W210	96-02	3.68	2.70	5.03	2.33
Mercedes Benz	S-Class W126	82-92	2.66	1.89	3.75	1.87
Mercedes Benz	S-Class C140	93-98	4.51	2.67	7.64	4.97
Mercedes Benz	S-Class W220	99-06	4.67	2.48	8.77	6.29
Mercedes Benz	E-Class W211	02-09	3.63	2.44	5.41	2.97
Nissan	Skyline	83-88	4.51	4.05	5.02	0.97
Nissan	300ZX / Fairlady Z	90-95	5.60	4.06	7.72	3.66
Nissan	Maxima	90-94	4.30	3.44	5.37	1.94
Nissan	Maxima / Cefiro	95-99	3.59	2.96	4.36	1.40
Nissan	Maxima	00-02	4.12	3.09	5.49	2.40
Nissan	Maxima	06-09	3.59	2.60	4.96	2.36
Honda	Legend	86-95	5.01	3.85	6.52	2.67
Rover	3500	82-87	6.31	3.49	11.43	7.94
Saab	9-5	98-05	1.38	0.63	3.00	2.36
Toyota	Crown / Cressida / Mark II	82-85	4.99	4.16	5.97	1.81
Toyota	Crown / Cressida / Mark II	86-88	4.15	3.07	5.63	2.56
Toyota	Cressida / Mark II	89-93	2.60	2.07	3.26	1.19
Toyota	Supra	82-90	6.37	4.67	8.70	4.03
Lexus	ES300 / Windom	92-01	2.97	2.11	4.18	2.07
Lexus	LS400 / Celsior	90-00	4.76	2.92	7.76	4.84

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Lexus	GS300	97-04	3.41	1.67	7.00	5.33
Toyota	Avalon	00-05	4.70	4.12	5.37	1.25
Toyota	Aurion	06-12	3.55	2.89	4.37	1.48
Volvo	850/S70/V70/C70	92-99	4.90	4.08	5.88	1.79
Volvo	700/900 Series	84-92	3.94	3.19	4.87	1.68
Medium Cars			**3.32**	**3.14**	**3.50**	**0.36**
Alfa Romeo	156	99-06	1.92	1.16	3.20	2.04
Alfa Romeo	GTV / Spider	98-04	2.81	1.20	6.60	5.40
Audi	A4	95-01	3.13	2.33	4.19	1.86
Audi	A4	01-08	3.10	2.29	4.19	1.89
BMW	Z3 E36	97-03	3.24	1.81	5.80	3.99
BMW	3 Series E90 /E91 /E92 /E93	05-12	3.80	2.91	4.98	2.07
BMW	3 Series E30	82-91	3.32	2.83	3.90	1.06
BMW	3 Series E36	92-98	3.41	3.02	3.85	0.83
BMW	3 Series E46	99-06	3.45	2.96	4.04	1.08
Chrysler	PT Cruiser	00-10	3.48	2.07	5.85	3.78
Daewoo	Espero	95-97	4.22	3.13	5.70	2.57
Daewoo	Leganza	97-02	5.66	4.35	7.35	3.00
Ford	Cortina	82-82	4.23	3.63	4.93	1.30
Ford	Mondeo	95-01	3.74	3.22	4.36	1.14
Ford	Mondeo	07-12	3.19	2.00	5.08	3.08
Ford	Probe	94-98	5.69	3.61	8.97	5.36
Ford	Cougar	99-03	2.51	1.77	3.55	1.77
Holden	Calibra	94-97	5.46	3.95	7.55	3.60
Holden	Camira	82-89	4.10	3.78	4.43	0.65
Holden	Vectra	97-03	3.96	3.49	4.50	1.02
Holden	Vectra ZC	03-05	4.16	3.00	5.78	2.78
Hyundai	Sonata	98-01	3.13	2.34	4.18	1.84
Hyundai	Sonata EF	02-05	4.95	3.19	7.68	4.50
Hyundai	Tiburon	02-10	6.16	3.35	11.32	7.97
Hyundai	Sonata NF	05-10	5.15	3.28	8.08	4.80
Mitsubishi	Sigma / Galant / Sapporo / Lambda	82-84	3.83	3.53	4.15	0.61
Mitsubishi	Galant	95-96	3.33	2.73	4.07	1.34
Jaguar	X-Type	02-10	4.52	2.65	7.72	5.07
Ford / Mazda	Telstar / 626 / MX6 / Capella	83-86	3.56	3.26	3.89	0.63
Ford / Mazda	Telstar / 626 / MX6 / Capella	88-91	3.74	3.40	4.12	0.71
Ford / Mazda	Telstar / 626 / MX6 / Capella / Cronos	92-97	3.17	2.85	3.53	0.68
Mazda	626	98-02	3.51	2.96	4.16	1.20
Mazda	RX7	82-85	5.34	3.70	7.70	4.00
Mazda	RX7	86-91	4.45	2.92	6.78	3.86
Mazda	Eunos 500	93-99	3.33	2.02	5.48	3.46
Mazda	6 / Atenza	02-07	2.76	2.31	3.29	0.99
Mazda	RX-8	03-11	3.88	2.29	6.58	4.29
Mercedes Benz	C-Class W201	87-93	3.75	2.79	5.04	2.25
Mercedes Benz	C-Class W202	95-00	2.73	2.14	3.48	1.34
Mercedes Benz	CLK C208	97-03	2.80	1.64	4.80	3.17
Mercedes Benz	SLK R170	97-04	4.02	2.10	7.70	5.60

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Mercedes Benz	C-Class W203	00-07	2.86	2.20	3.72	1.52
Mercedes Benz	CLK C209	03-09	3.05	1.81	5.16	3.35
Mercedes Benz	C-Class W204 / C204	07-12	2.74	1.70	4.42	2.71
Nissan	Pintara	86-88	3.81	3.36	4.32	0.96
Nissan / Ford	Pintara / Corsair / Bluebird	89-92	4.19	3.84	4.57	0.74
Nissan	Bluebird	82-86	3.52	3.21	3.85	0.64
Nissan	Bluebird	93-97	3.33	2.82	3.93	1.10
Nissan	200SX / Silvia	94-02	4.30	3.32	5.58	2.26
Nissan	350Z / Fairlady	03-09	5.16	3.16	8.42	5.26
Honda	Accord Euro	03-08	3.67	3.04	4.43	1.39
Honda	Accord	03-07	3.52	2.72	4.54	1.82
Honda	Accord	82-85	2.81	2.29	3.43	1.14
Honda	Accord	86-90	3.87	3.32	4.52	1.20
Honda	Accord	91-93	3.56	2.92	4.35	1.43
Honda	Accord	94-98	3.72	3.25	4.26	1.01
Honda	Accord	99-02	4.34	3.39	5.56	2.18
Honda	Accord	08-12	4.96	3.31	7.44	4.14
Honda	Accord Euro	08-12	3.79	2.24	6.41	4.17
Honda	Prelude	82-82	2.11	0.86	5.21	4.35
Honda	Prelude	83-91	3.52	3.06	4.05	0.98
Honda	Prelude	92-96	3.10	2.49	3.86	1.37
Honda	Prelude	97-02	4.35	3.31	5.73	2.42
Peugeot	405	89-97	2.95	2.09	4.16	2.07
Peugeot	505	82-93	4.06	2.79	5.91	3.11
Peugeot	406	96-04	2.45	1.47	4.08	2.61
Renault	Feugo	82-87	1.99	0.97	4.06	3.09
Saab	900 Series	82-92	2.28	1.60	3.27	1.67
Saab	900/9-3	94-02	2.93	2.27	3.80	1.53
Saab	9000	86-97	3.29	2.45	4.41	1.96
Saab	9-3	03-11	5.39	3.52	8.25	4.73
Subaru	1800 / Leone / Omega / 4WD Wagon	82-93	3.15	2.78	3.56	0.78
Subaru	Liberty / Legacy	89-93	3.81	3.42	4.24	0.83
Subaru	Liberty / Legacy / Outback	94-98	4.34	3.81	4.95	1.14
Subaru	Liberty / Legacy / Outback	99-03	3.64	3.14	4.22	1.08
Subaru	Liberty / Legacy / Outback	03-09	3.19	2.62	3.87	1.25
Toyota	Corona	82-88	3.81	3.56	4.09	0.53
Toyota	Camry	83-86	3.71	3.15	4.37	1.22
Holden / Toyota	Apollo JK/JL / Camry / Vista	88-92	4.17	3.97	4.39	0.42
Holden / Toyota	Apollo JM/JP / Camry / Sceptor	93-97	4.07	3.84	4.31	0.47
Toyota	Camry	98-02	4.22	3.96	4.50	0.54
Toyota	Celica	81-85	4.39	3.69	5.21	1.52
Toyota	Celica	86-89	4.28	3.57	5.13	1.57
Toyota	Celica	90-93	4.56	3.87	5.36	1.49
Toyota	Celica	94-99	3.58	2.86	4.49	1.63
Toyota	Celica	00-05	3.40	2.35	4.91	2.56
Lexus	IS200 / IS300	99-04	4.08	2.88	5.77	2.89
Toyota	Camry	02-06	3.73	3.39	4.11	0.72
Lexus	IS350 / IS250 / IS F	05-12	2.68	1.66	4.33	2.68
Toyota	Camry	06-11	3.51	3.01	4.08	1.07

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Volvo	200 Series	82-93	3.78	3.16	4.51	1.35
Volvo	S60	01-09	3.68	2.10	6.45	4.34
Volkswagen	Passat	98-06	3.88	2.79	5.38	2.58
People Movers			**4.17**	**3.90**	**4.46**	**0.56**
Chrysler	Voyager	97-01	4.29	2.93	6.31	3.38
Holden	Zafira TT	01-05	3.71	2.43	5.65	3.22
Mitsubishi	Nimbus / Chariot / Spacewagon	85-91	2.74	1.81	4.16	2.35
Mitsubishi	Nimbus / Chariot	92-98	3.94	3.05	5.09	2.04
Mitsubishi	Nimbus	99-03	2.40	1.45	3.97	2.52
Mitsubishi	Starwagon / L300	83-86	5.80	5.01	6.71	1.70
Mitsubishi	Starwagon / Delica Starwagon	87-93	5.07	4.58	5.62	1.04
Mitsubishi	Starwagon / Delica Spacegear	95-03	5.39	4.50	6.46	1.96
Kia	Carnival	99-06	5.72	4.60	7.11	2.51
Kia	Carnival	06-11	6.09	4.28	8.65	4.37
Mazda	MPV	94-99	6.01	3.98	9.08	5.10
Mazda	MPV	00-06	4.39	2.64	7.29	4.65
Nissan	Prairie	84-86	3.46	2.29	5.23	2.95
Nissan	Serena	92-95	2.64	1.62	4.29	2.67
Honda	Odyssey	95-00	5.32	4.22	6.70	2.48
Honda	Odyssey	00-02	5.32	3.45	8.21	4.76
Honda	Odyssey	04-09	3.35	2.34	4.81	2.48
Toyota	Tarago	83-89	5.02	4.42	5.70	1.27
Toyota	Tarago / Previa / Estima	91-99	4.68	4.06	5.39	1.33
Toyota	Tarago / Previa / Estima	00-06	4.44	3.51	5.62	2.11
Toyota	Spacia	93-00	2.87	1.22	6.72	5.50
Toyota	Avensis Verso	01-10	3.92	2.22	6.93	4.72
Toyota	Tarago	06-12	2.46	1.50	4.03	2.53
Small Cars			**2.83**	**2.68**	**2.99**	**0.31**
Alfa Romeo	33	83-92	2.18	1.36	3.48	2.12
Alfa Romeo	75	86-92	5.25	2.70	10.21	7.50
Alfa Romeo	147 / GT	01-10	2.83	1.63	4.91	3.27
Audi	A3	04-12	1.62	0.75	3.54	2.79
Audi	A3/S3	97-04	3.94	2.59	5.99	3.40
BMW	1 Series E81 / E82 / E87 / E88	04-12	2.64	1.70	4.08	2.38
Chrysler	Neon	96-99	3.35	2.27	4.93	2.66
Citroen	C4	05-10	3.22	1.64	6.33	4.68
Daihatsu	Applause	89-99	3.06	2.53	3.70	1.17
Daewoo	1.5i	94-95	2.65	0.88	7.93	7.05
Daewoo	Cielo	95-97	2.95	2.51	3.47	0.96
Daewoo	Nubira	97-03	3.32	2.82	3.91	1.10
Daewoo	Lanos	97-03	3.51	3.09	3.97	0.88
Daewoo	Lacetti	03-04	4.23	2.34	7.65	5.31
Ford	Laser	91-94	3.20	2.96	3.46	0.50
Ford	Laser	95-97	3.23	2.84	3.67	0.83
Ford	Escort	82-82	3.20	2.44	4.20	1.76
Ford	Capri	89-94	3.14	2.46	4.00	1.53

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Ford	Focus LR	02-05	3.81	3.15	4.60	1.45
Ford	Focus LS / LT	05-09	3.51	2.91	4.23	1.32
Ford	Focus LV	09-12	2.80	1.64	4.78	3.14
Fiat	Regata	84-88	4.01	2.14	7.53	5.39
Holden	Gemini	82-84	3.13	2.72	3.61	0.88
Holden	Gemini RB	86-87	2.87	2.10	3.93	1.82
Holden	Astra TR	96-98	3.34	2.64	4.23	1.59
Holden	Astra TS	98-06	3.22	2.96	3.51	0.55
Holden	Astra AH	04-09	3.48	2.94	4.11	1.17
Holden	Viva JF	05-09	3.31	2.56	4.29	1.73
Holden	Cruze JG / JH	09-12	3.56	2.60	4.87	2.27
Hyundai	Excel	86-90	3.65	3.07	4.33	1.25
Hyundai	Excel	90-94	3.39	3.05	3.76	0.71
Hyundai	Excel / Accent	95-00	3.34	3.14	3.56	0.41
Hyundai	Elantra	00-06	3.55	3.03	4.17	1.14
Hyundai	Accent	06-09	2.85	1.62	5.02	3.41
Hyundai	i30	07-12	3.44	2.62	4.52	1.90
Hyundai	S Coupe	90-96	2.96	2.21	3.96	1.74
Hyundai	Lantra	91-95	3.65	2.92	4.55	1.63
Hyundai	Lantra	96-00	3.70	3.26	4.20	0.94
Hyundai	Coupe	96-00	2.99	2.11	4.24	2.13
Hyundai	Accent	00-06	3.57	3.15	4.05	0.90
Mitsubishi	Lancer / Mirage CA	89-90	3.03	2.67	3.44	0.77
Mitsubishi	Lancer / Mirage CB	91-92	4.22	3.34	5.33	1.99
Mitsubishi	Lancer / Mirage CC	93-95	2.83	2.52	3.17	0.65
Mitsubishi	Lancer / Mirage CE	96-03	3.20	2.98	3.42	0.44
Mitsubishi	Cordia	83-87	4.90	4.07	5.89	1.82
Mitsubishi	Lancer CH	03-07	3.13	2.66	3.67	1.01
Mitsubishi	Lancer CJ	08-12	3.05	2.32	4.01	1.68
Kia	Rio	00-05	3.44	2.91	4.08	1.17
Kia	Spectra	01-04	3.55	2.25	5.59	3.34
Kia	Cerato LD	04-08	3.23	2.32	4.50	2.17
Kia	Rio JB	05-11	2.30	1.73	3.04	1.31
Ford / Mazda	Laser / 323 / Familia	82-88	3.29	3.14	3.46	0.32
Mazda	323 / Familia / Lantis	90-93	2.84	2.51	3.23	0.72
Mazda	323 / Familia / Lantis	95-98	2.81	2.48	3.20	0.72
Ford / Mazda	Laser / 323	99-03	2.90	2.59	3.24	0.64
Mazda	MX5 / Eunos Roadster	89-97	2.84	1.77	4.56	2.79
Mazda	MX5 / Eunos Roadster	98-05	1.52	0.82	2.83	2.01
Mazda	Eunos 30X / Presso / MX-3 / Autozam AZ-3	90-97	2.64	1.62	4.29	2.67
Mazda	3 / Axela	03-09	2.76	2.44	3.12	0.67
Mazda	3 / Axela	09-12	2.29	1.67	3.14	1.48
Mercedes Benz	A-Class W168	98-04	3.24	2.14	4.90	2.76
Holden / Nissan	Astra / Pulsar / Langley	84-86	3.73	3.38	4.12	0.74
Holden / Nissan	Astra / Pulsar / Vector / Sentra	88-90	3.66	3.38	3.96	0.58
Nissan	Pulsar / Vector / Sentra	92-95	3.61	3.28	3.99	0.71
Nissan	Pulsar / Vector / Sentra	96-99	3.23	2.96	3.53	0.57
Nissan	Pulsar / Bluebird Sylphy	00-05	2.67	2.39	2.99	0.60
Nissan	Stanza	82-83	5.93	4.02	8.74	4.72

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Nissan	Gazelle / Silvia	84-86	3.43	2.34	5.02	2.68
Nissan	Exa	83-86	5.70	3.92	8.30	4.39
Nissan	Exa	87-91	6.73	4.28	10.60	6.32
Nissan	NX/NX-R	91-96	5.75	4.49	7.36	2.88
Nissan	Tiida	06-12	2.23	1.52	3.27	1.75
Honda	Civic	82-83	2.63	1.84	3.77	1.93
Honda	Civic / Ballade / Shuttle	84-87	3.68	3.11	4.37	1.26
Honda	Civic / Shuttle	88-91	3.00	2.62	3.43	0.81
Honda	Civic	92-95	3.62	3.21	4.07	0.86
Honda	Civic	96-00	2.97	2.61	3.39	0.78
Honda	CRX	87-91	3.50	2.36	5.18	2.82
Honda	CRX	92-98	5.05	3.07	8.31	5.25
Honda	Civic	01-05	2.90	2.35	3.58	1.23
Honda	Civic	06-11	3.28	2.16	4.99	2.82
Honda	Integra	86-88	2.54	1.78	3.60	1.82
Honda	Integra	90-92	4.72	3.64	6.13	2.49
Honda	Integra	93-01	3.20	2.52	4.07	1.55
Honda	Integra	02-06	4.81	3.10	7.45	4.34
Honda	Concerto	89-93	3.47	2.49	4.83	2.34
Peugeot	306	94-01	2.64	2.02	3.45	1.42
Peugeot	307	01-09	2.50	1.79	3.48	1.69
Proton	Wira	95-96	3.96	3.12	5.03	1.90
Renault	Megane II	03-10	3.73	2.04	6.82	4.78
Renault	19	91-96	3.33	1.94	5.69	3.75
Renault	Scenic	01-04	3.03	1.78	5.15	3.37
Rover	Quintet	82-86	1.41	0.56	3.53	2.96
MG	MGF / MG TF	99-05	2.76	1.51	5.02	3.51
Subaru	Impreza	93-00	4.12	3.68	4.62	0.94
Subaru	Impreza	01-07	3.02	2.55	3.58	1.03
Subaru	Impreza	07-11	3.00	2.15	4.20	2.06
Suzuki	Baleno / Cultus Crescent	95-02	1.71	1.27	2.29	1.02
Suzuki	Liana	01-07	2.67	1.76	4.05	2.29
Toyota	Corolla	82-84	2.92	2.65	3.22	0.57
Toyota	Corolla	86-88	3.36	3.11	3.62	0.51
Toyota / Holden	Corolla / Nova	89-93	3.36	3.17	3.56	0.39
Toyota / Holden	Corolla / Nova	94-97	2.98	2.78	3.21	0.43
Toyota	Corolla / Allex	98-01	3.26	2.92	3.65	0.73
Toyota	Corolla	02-07	3.09	2.85	3.35	0.50
Toyota	Corolla	07-12	3.36	2.93	3.86	0.93
Toyota	Tercel	83-88	3.32	2.18	5.07	2.89
Toyota	MR2	87-90	3.11	1.88	5.14	3.26
Toyota	MR2	91-00	4.45	2.70	7.32	4.62
Toyota	Paseo / Cynos	91-99	3.66	2.89	4.64	1.76
Toyota	Corolla 4WD Wagon	92-96	5.58	3.88	8.03	4.16
Toyota	Prius II	03-09	2.82	1.98	4.00	2.02
Volvo	S40/V40	97-04	3.69	2.70	5.03	2.32
Volkswagen	Golf	82-94	4.48	2.85	7.05	4.20
Volkswagen	Golf	95-98	3.52	2.68	4.63	1.95
Volkswagen	Golf / Bora	99-04	2.94	2.43	3.57	1.13
Volkswagen	New Beetle	00-11	4.91	3.46	6.97	3.51

Make	Model of Car	Years of Manufacture	Serious injury rate per 100 drivers involved %	Lower 90% Confidence Limit	Upper 90% Confidence Limit	Width of Confidence Interval
Volkswagen	Golf / Jetta	04-09	3.51	2.30	5.35	3.05
Light Cars			**2.52**	**2.38**	**2.67**	**0.30**
Mini	Mini Cooper	02-12	3.73	2.48	5.61	3.12
Daihatsu	Charade	82-86	3.15	2.52	3.94	1.42
Daihatsu	Charade	88-92	2.63	2.29	3.01	0.72
Daihatsu	Charade	93-00	3.11	2.71	3.57	0.86
Daihatsu	Pyzar	97-01	2.72	1.67	4.42	2.75
Daihatsu	Sirion / Storia	98-04	2.30	1.79	2.97	1.18
Daihatsu	Mira	90-96	2.77	2.01	3.82	1.81
Daewoo	Matiz	99-04	2.39	1.73	3.32	1.59
Daewoo	Kalos	03-04	2.64	1.66	4.19	2.54
Ford	Festiva WD/WH/WF	94-01	3.01	2.77	3.28	0.51
Ford	Ka	99-02	2.34	1.53	3.58	2.05
Ford	Fiesta WP/WQ	04-08	3.71	2.32	5.93	3.61
Ford	Fiesta WS	09-12	4.95	3.38	7.26	3.87
Holden	Barina XC / Combo	01-12	3.27	2.79	3.84	1.05
Holden	Barina SB	95-00	3.12	2.77	3.51	0.74
Holden	Barina TK	05-11	2.15	1.70	2.70	1.00
Hyundai	Getz / TB	02-11	3.91	3.50	4.36	0.87
Mitsubishi	Mirage / Colt	82-88	3.31	3.01	3.63	0.62
Mitsubishi	Colt	04-11	2.46	1.69	3.59	1.90
Ford / Mazda	Festiva WA / 121	87-90	2.88	2.54	3.26	0.73
Mazda	121 / Autozam Review	94-96	2.39	1.99	2.88	0.89
Mazda	121 Metro / Demio	97-02	2.46	2.05	2.95	0.90
Mazda	2 / Demio	02-07	3.20	2.47	4.13	1.66
Mazda	2 / Demio	07-12	2.86	2.18	3.75	1.57
Nissan	Micra	95-97	2.62	1.83	3.75	1.92
Honda	Jazz / Fit	02-08	2.72	2.23	3.32	1.09
Honda	Jazz GE / Fit	08-12	1.82	1.10	3.02	1.92
Honda	City	83-86	2.72	1.77	4.16	2.38
Peugeot	205	87-94	2.12	1.01	4.44	3.43
Peugeot	206	99-07	2.47	1.73	3.52	1.79
Proton	Satria	97-05	3.54	1.82	6.90	5.08
Renault	Clio	01-08	3.17	1.75	5.72	3.96
Subaru	Sherpa / Fiori / 700 / Rex	89-92	2.65	1.86	3.77	1.92
Suzuki	Swift	82-85	3.40	1.68	6.89	5.20
Holden / Suzuki	Barina / Swift / Cultus	86-88	2.75	2.33	3.25	0.92
Holden / Suzuki	Barina / Swift / Cultus	89-99	2.65	2.44	2.89	0.46
Suzuki	Hatch / Alto	82-84	3.65	2.60	5.12	2.52
Suzuki	Alto	85-00	4.86	3.22	7.34	4.11
Suzuki	Ignis	00-02	2.06	1.38	3.07	1.69
Suzuki	Swift	05-10	3.04	2.55	3.63	1.08
Toyota	Starlet	96-99	2.78	2.39	3.22	0.83
Toyota	Echo	99-05	2.68	2.38	3.02	0.64
Toyota	Yaris / Vitz	05-11	2.51	2.13	2.94	0.81
Toyota	Yaris / Vitz	11-12	2.52	1.41	4.49	3.08
Volkswagen	Polo	96-00	2.38	1.64	3.45	1.81
Volkswagen	Polo	02-10	3.59	2.42	5.32	2.89

TOTAL SECONDARY SAFETY INDEX OF 1982-2012 MODELS OF CARS INVOLVED IN CRASHES DURING 1987-2012 with 90 % CONFIDENCE LIMITS

TOTAL SECONDARY SAFETY INDEX

(WITH 90% CONFIDENCE LIMITS)

Victoria and New South Wales Data (1987-2012), Queensland Data (1991-2012), Western Australia and New Zealand Data (1991-2012)

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
ALL VEHICLE AVERAGE			**17.31**	**22.66**	**3.92**			
Small Sports Utility Vehicles			**18.54**	**21.97**	**4.07**	**3.88**	**4.27**	**0.39**
Audi	Q5	09-12	7.58	25.21	1.91	0.89	4.08	3.19
Daihatsu	Feroza / Rocky	89-97	21.41	23.50	5.03	4.25	5.95	1.70
Daihatsu	Rocky / Rugger	85-98	22.36	30.63	6.85	5.65	8.31	2.66
Daihatsu	Terios	97-05	22.31	20.85	4.65	3.95	5.48	1.54
Holden	Cruze	02-06	20.18	23.48	4.74	4.00	5.61	1.61
Hyundai	Tucson	04-10	15.61	25.44	3.97	3.15	5.00	1.85
Hyundai	ix35	10-12	14.85	19.09	2.84	1.65	4.88	3.23
Mitsubishi	Pajero iO	99-03	16.00	32.37	5.18	3.26	8.23	4.97
Mitsubishi	Outlander	03-06	15.79	22.00	3.47	2.75	4.38	1.62
Mitsubishi / Peugeot	Outlander / 4007	06-12	13.73	13.75	1.89	1.40	2.54	1.13
Mitsubishi	ASX	10-12	15.38	25.23	3.88	1.82	8.28	6.46
Kia	Sportage	98-03	19.67	19.79	3.89	3.25	4.66	1.40
Kia	Sportage KM	05-10	16.82	30.74	5.17	3.69	7.25	3.56
Nissan	X-Trail	01-07	16.44	21.11	3.47	3.13	3.85	0.71
Nissan	Dualis	07-12	14.52	24.99	3.63	2.52	5.23	2.71
Lada	Niva	84-99	20.14	24.20	4.87	3.70	6.42	2.73
Honda	HR-V	99-02	17.18	28.13	4.83	3.86	6.06	2.20
Land Rover	Freelander	98-06	17.01	25.55	4.34	3.27	5.78	2.51
Suzuki	Vitara / Escudo	88-98	21.08	25.34	5.34	4.91	5.82	0.91

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
Holden / Suzuki	Drover / Sierra / Samurai / SJ410 / SJ413	82-99	24.36	23.31	5.68	5.22	6.17	0.95
Suzuki	Jimny	98-10	22.07	22.28	4.92	3.92	6.17	2.25
Suzuki	SX4	07-12	13.55	24.14	3.27	2.31	4.63	2.32
Volkswagen	Tiguan	08-12	11.90	12.52	1.49	0.76	2.94	2.18
Medium Sports Utility Vehicles			**15.54**	**21.92**	**3.41**	**3.27**	**3.55**	**0.28**
BMW	X3 E83	04-10	9.77	25.38	2.48	1.43	4.29	2.85
Daewoo / Ssangong	Musso	98-06	13.93	33.90	4.72	3.61	6.19	2.58
Ssangyong	Rexton	03-06	24.51	11.53	2.83	1.08	7.38	6.30
Dodge	Nitro	07-11	15.56	22.90	3.56	1.90	6.68	4.78
Holden / Isuzu	Jackaroo / Bighorn	82-91	22.67	21.68	4.92	4.17	5.79	1.62
Holden / Isuzu	Jackaroo / Bighorn	92-97	18.18	23.36	4.25	3.59	5.03	1.44
Holden / Isuzu	Jackaroo / Bighorn	98-02	18.02	25.54	4.60	3.92	5.40	1.48
Holden	Frontera / Mu	95-03	17.29	24.95	4.31	3.42	5.43	2.01
Holden	Adventra	03-06	16.52	20.86	3.45	2.57	4.62	2.05
Holden	Captiva CG	06-12	15.11	16.60	2.51	2.03	3.11	1.08
Hyundai	Santa Fe	00-06	17.10	22.78	3.90	3.11	4.88	1.76
Hyundai	Terracan	01-07	15.67	29.57	4.63	3.42	6.28	2.86
Hyundai	Santa Fe	06-12	17.80	21.06	3.75	2.23	6.31	4.09
Mitsubishi	Pajero	82-90	20.88	26.46	5.52	4.97	6.13	1.16
Mitsubishi	Pajero	92-99	17.22	25.18	4.34	3.98	4.73	0.75
Mitsubishi	Pajero NM / NP	00-06	14.18	23.51	3.33	2.90	3.83	0.93
Mitsubishi	Pajero NS / NT / NW	07-12	12.49	26.42	3.30	2.43	4.47	2.04
Mitsubishi	Challenger	98-06	18.06	21.52	3.89	3.18	4.74	1.56
Jeep	Cherokee XJ	96-00	17.94	25.60	4.59	4.03	5.23	1.20
Jeep	Wrangler	96-04	19.97	25.01	4.99	4.02	6.21	2.19
Jeep	Cherokee KJ	01-07	15.65	21.38	3.35	2.59	4.33	1.74
Jeep	Wrangler	05-12	14.36	18.96	2.72	1.79	4.15	2.36
Land Rover	Defender	92-12	16.24	24.76	4.02	3.10	5.22	2.12

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
Ford / Mazda	Escape / Tribute	01-06	15.78	23.45	3.70	3.27	4.19	0.92
Mazda	CX-7	06-12	14.38	16.48	2.37	1.71	3.28	1.57
Ford / Mazda	Escape / Tribute	06-12 / 06-08	10.23	18.99	1.94	1.14	3.31	2.17
Nissan	Pathfinder / Terrano	88-94	18.00	22.76	4.10	3.48	4.83	1.35
Nissan	Pathfinder / Terrano / Regulus	95-05	15.25	23.61	3.60	3.11	4.17	1.07
Nissan	Murano	05-08	13.20	22.74	3.00	1.99	4.53	2.54
Nissan	Pathfinder	05-12	12.84	19.12	2.46	1.77	3.41	1.64
Nissan	X-Trail	07-12	14.28	34.83	4.97	2.95	8.39	5.45
Nissan	Murano Z51	09-12	14.26	17.91	2.55	1.30	5.02	3.72
Honda	CR-V	97-01	15.04	21.76	3.27	2.93	3.66	0.73
Honda	CR-V	02-06	15.74	19.00	2.99	2.62	3.41	0.78
Honda	MDX	03-06	11.04	22.34	2.47	1.41	4.32	2.91
Honda	CR-V	07-12	13.35	23.12	3.08	2.49	3.83	1.34
Subaru	Tribeca	06-12	16.01	18.03	2.89	1.86	4.48	2.62
Subaru	Forester	08-12	14.60	21.12	3.08	2.37	4.01	1.63
Subaru	Forester	97-02	15.65	19.67	3.08	2.72	3.49	0.77
Subaru	Forester	02-08	14.17	20.17	2.86	2.52	3.24	0.72
Suzuki	Grand Vitara	99-05	17.25	20.59	3.55	2.98	4.22	1.24
Suzuki	Grand Vitara / Escudo	05-08	15.59	17.27	2.69	1.97	3.68	1.71
Suzuki	Grand Vitara JT	08-12	14.92	23.51	3.51	2.26	5.45	3.20
Toyota	RAV4	94-00	18.01	24.07	4.34	3.96	4.75	0.78
Toyota	RAV4	01-06	15.89	22.83	3.63	3.29	4.00	0.72
Lexus	RX330	03-05	11.19	28.95	3.24	2.26	4.65	2.39
Toyota	RAV4	06-12	13.38	21.48	2.87	2.49	3.32	0.84
Large Sports Utility Vehicles			**15.29**	**24.49**	**3.74**	**3.60**	**3.89**	**0.29**
Audi	Q7	06-12	11.66	19.04	2.22	1.11	4.44	3.33
BMW	X5	01-06	10.55	22.37	2.36	1.54	3.61	2.07
BMW	X5 E70	07-12	8.98	20.21	1.82	1.00	3.28	2.28

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
Ford	Bronco	82-87	22.02	31.28	6.89	4.90	9.68	4.78
Ford	Explorer	00-01	20.09	23.02	4.62	3.69	5.80	2.11
Ford	Explorer	01-05	14.24	20.09	2.86	2.14	3.83	1.69
Ford	Territory SX/SY	04-10	12.87	18.97	2.44	2.05	2.91	0.87
Jeep	Grand Cherokee ZG	96-99	17.61	23.17	4.08	3.13	5.33	2.20
Jeep	Grand Cherokee WG	99-05	14.39	25.39	3.65	2.86	4.67	1.80
Jeep	Grand Cherokee WH	05-10	14.06	20.13	2.83	1.54	5.19	3.65
Kia	Sorento	03-09	13.92	21.10	2.94	2.16	3.99	1.83
Land Rover	Discovery	91-02	16.26	21.67	3.52	3.05	4.07	1.02
Land Rover	Discovery	02-04	14.33	19.01	2.72	1.58	4.69	3.11
Mazda	CX-9	07-12	10.58	18.47	1.95	1.14	3.34	2.20
Mercedes Benz	M-Class W163	98-05	13.67	19.08	2.61	2.02	3.37	1.36
Mercedes Benz	M / GL -Class W164 / X164	05-11	11.80	15.79	1.86	1.18	2.95	1.78
Nissan	Patrol / Safari	82-87	19.80	27.72	5.49	4.80	6.27	1.47
Nissan / Ford	Patrol / Maverick / Safari	88-97	16.63	25.67	4.27	4.02	4.54	0.52
Nissan	Patrol / Safari	98-12	14.93	26.18	3.91	3.64	4.19	0.55
Nissan	Patrol	12-12	16.28	17.11	2.78	1.70	4.56	2.86
Porsche	Cayenne	03-10	15.56	9.92	1.54	0.64	3.71	3.06
Land Rover	Range Rover	82-94	19.32	23.99	4.63	3.86	5.56	1.69
Land Rover	Range Rover	95-02	15.60	23.27	3.63	2.60	5.08	2.48
Land Rover	Range Rover Vogue	05-12	16.46	17.60	2.90	1.63	5.15	3.52
Toyota	Landcruiser	82-89	19.61	30.03	5.89	5.57	6.23	0.66
Toyota	Landcruiser	90-97	17.43	27.29	4.76	4.54	4.99	0.45
Toyota	Landcruiser	98-07	15.70	25.67	4.03	3.80	4.28	0.48
Toyota	Kluger / Highlander	03-07	14.55	21.50	3.13	2.59	3.79	1.20
Toyota	Landcruiser Prado	96-03	15.34	25.33	3.88	3.40	4.43	1.03
Toyota	Landcruiser Prado	03-09	13.80	23.60	3.26	2.93	3.61	0.68
Lexus	RX270/350/400h/450h	06-12	10.06	16.76	1.69	1.01	2.81	1.79
Toyota	Kluger / Highlander	07-12	12.86	17.29	2.22	1.75	2.83	1.09
Toyota	Landcruiser 200 Series	07-12	12.31	23.80	2.93	2.26	3.81	1.55

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
Toyota	Landcruiser Prado	09-12	11.55	33.17	3.83	2.51	5.85	3.35
Volvo	XC90	03-12	10.32	20.95	2.16	1.42	3.29	1.87
Volkswagen	Touareg	03-10	15.21	27.23	4.14	2.68	6.41	3.74
Commercial - Utes			**16.29**	**23.51**	**3.83**	**3.69**	**3.97**	**0.27**
Ford / Nissan	Falcon Ute / XFN Ute	82-95	18.88	25.05	4.73	4.46	5.02	0.56
Ford	Falcon Ute	96-99	18.79	23.40	4.40	3.93	4.92	0.99
Ford	Falcon Ute AU	00-02	17.03	22.98	3.91	3.55	4.31	0.76
Ford	Falcon Ute BA/BF	03-08	14.85	21.24	3.15	2.85	3.49	0.64
Ford	Falcon Ute FG	08-12	12.92	25.67	3.32	2.19	5.02	2.83
Ford	Ford F-Series	82-92	19.29	26.87	5.18	4.37	6.15	1.78
Ford	F-Series	01-06	14.41	29.32	4.23	3.18	5.61	2.43
Great Wall	V240 / V200	09-12	16.44	22.41	3.68	1.60	8.49	6.90
Holden	Commodore Ute VG/VP	90-93	17.58	25.48	4.48	3.93	5.10	1.17
Holden / Isuzu	Rodeo / Pickup	82-85	20.34	27.34	5.56	4.59	6.74	2.15
Holden / Isuzu	Rodeo / Pickup	86-88	21.65	21.57	4.67	3.50	6.24	2.74
Holden / Isuzu	Rodeo / Pickup	89-95	19.66	27.49	5.40	5.07	5.75	0.68
Holden	Rodeo	96-98	18.04	23.62	4.26	3.87	4.69	0.82
Holden	Rodeo	99-02	17.72	26.39	4.68	4.29	5.10	0.80
Holden	WB Series	82-85	18.78	30.26	5.68	5.01	6.44	1.43
Holden	Commodore Ute VR/VS	94-00	17.75	26.91	4.78	4.50	5.07	0.58
Holden	Commodore VU Ute	00-02	15.65	24.90	3.90	3.48	4.36	0.89
Holden	Commodore VY/VZ Ute	02-07	15.35	23.68	3.64	3.37	3.92	0.55
Holden	Rodeo	03-08	16.92	22.02	3.73	3.44	4.04	0.59
Holden	Commodore VE Ute	07-12	14.78	21.45	3.17	2.59	3.87	1.28
Holden	Colorado RC / RG	08-12	17.82	20.52	3.66	2.83	4.73	1.90
Mitsubishi	Triton MK	96-06	16.40	21.23	3.48	3.05	3.97	0.92
Mitsubishi	Triton ML / MN	06-12	15.17	20.62	3.13	2.69	3.64	0.95
Isuzu	D-Max	08-12	12.51	12.75	1.60	0.74	3.44	2.70

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
Kia	Ceres	92-00	19.10	27.65	5.28	4.56	6.12	1.56
Kia	K2700	02-08	14.28	32.21	4.60	3.17	6.67	3.50
Ford / Mazda	Courier / B-Series / Bounty	98-02	16.35	24.25	3.96	3.55	4.43	0.88
Ford / Mazda	Courier / Bravo / Bounty	03-06	16.99	21.83	3.71	3.28	4.20	0.92
Ford / Mazda	Ranger / BT-50	06-11	14.56	21.98	3.20	2.85	3.60	0.75
Nissan	720 Ute	82-85	19.63	22.50	4.42	3.83	5.09	1.26
Nissan	Navara	86-91	18.79	25.76	4.84	4.45	5.26	0.81
Nissan	Navara	92-96	18.44	25.23	4.65	4.16	5.20	1.04
Nissan	Navara	97-05	14.78	25.05	3.70	3.38	4.05	0.67
Nissan	Navara	05-12	14.36	21.93	3.15	2.71	3.66	0.95
Proton	Jumbuck	03-10	16.57	16.58	2.75	1.71	4.40	2.69
Subaru	Brumby	82-92	20.68	29.94	6.19	5.51	6.96	1.44
Suzuki	Mighty Boy	85-88	29.96	26.56	7.96	6.42	9.87	3.45
Toyota	4Runner/Hilux	82-85	20.23	27.44	5.55	5.17	5.96	0.80
Toyota	4Runner/Hilux	86-88	19.21	27.25	5.24	4.86	5.64	0.78
Toyota	4Runner/Hilux	89-97	18.41	25.87	4.76	4.58	4.95	0.37
Toyota	Hilux	98-02	16.73	23.88	4.00	3.75	4.26	0.52
Toyota	Hilux	03-04	16.01	24.67	3.95	3.55	4.39	0.84
Toyota	Hilux	05-12	14.29	22.27	3.18	2.94	3.45	0.51
Commercial - Vans			**18.11**	**22.97**	**4.16**	**3.99**	**4.34**	**0.35**
Citroen	Berlingo	99-08	17.73	24.55	4.35	2.60	7.28	4.67
Daihatsu	Handivan	82-90	28.09	27.25	7.65	6.47	9.06	2.59
Daihatsu	Hi-Jet	82-90	35.99	27.73	9.98	7.42	13.42	6.00
Daihatsu	Handivan / Cuore	99-03	23.48	27.96	6.57	4.85	8.89	4.04
Ford	Falcon Panel Van	82-95	18.63	23.63	4.40	3.96	4.90	0.94
Ford	Falcon Panel Van	96-99	16.81	25.07	4.21	3.24	5.48	2.24
Ford	Transit	95-00	18.08	22.90	4.14	3.48	4.92	1.43
Ford	Transit	01-07	14.49	18.59	2.69	2.24	3.23	0.99

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Fiat	Ducato	02-07	13.39	23.87	3.20	1.93	5.29	3.36
Holden	Shuttle / WFR Van	82-87	23.66	24.00	5.68	4.43	7.27	2.84
Hyundai	iLoad	08-12	11.54	20.14	2.32	1.59	3.41	1.82
Mitsubishi	Express	94-12	19.98	23.41	4.68	3.79	5.77	1.98
Kia	Pregio	02-06	20.37	22.70	4.62	3.83	5.59	1.76
Mercedes Benz	MB100 / MB140	99-04	15.55	21.84	3.40	2.52	4.57	2.05
Mercedes Benz	Vito	99-04	16.36	22.46	3.67	2.88	4.69	1.82
Mercedes Benz	Sprinter	98-06	17.41	20.47	3.56	2.82	4.50	1.68
Mercedes Benz	Sprinter	06-12	13.09	16.70	2.19	1.25	3.82	2.56
Mercedes Benz	Vito / Viano / Valente	04-12	13.72	28.46	3.90	2.71	5.62	2.91
Honda	Acty	83-86	16.74	20.77	3.48	2.41	5.01	2.60
Holden / Suzuki	Scurry / Carry	82-00	29.59	28.16	8.33	6.85	10.14	3.29
Suzuki	Carry	99-05	17.73	24.99	4.43	2.70	7.26	4.56
Suzuki	APV	05-12	19.41	12.62	2.45	1.19	5.04	3.85
Toyota	Hiace/Liteace	82-86	23.07	27.96	6.45	5.99	6.95	0.96
Toyota	Hiace/Liteace	87-89	22.31	26.35	5.88	5.35	6.46	1.11
Toyota	Hiace/Liteace	90-95	21.10	26.06	5.50	5.13	5.90	0.77
Toyota	Hiace/Liteace	96-04	18.20	23.79	4.33	4.03	4.65	0.62
Toyota	Hiace	05-12	16.00	21.91	3.51	2.98	4.12	1.14
Volkswagen	Caravelle / Transporter	88-94	17.86	22.76	4.07	2.71	6.09	3.38
Volkswagen	Caravelle / Transporter	95-04	19.53	21.56	4.21	3.43	5.16	1.73
Volkswagen	Transporter	04-12	14.09	17.24	2.43	1.42	4.15	2.73
Volkswagen	Caddy	05-12	20.97	19.27	4.04	2.85	5.73	2.88
Large Cars			**16.65**	**22.36**	**3.72**	**3.60**	**3.85**	**0.25**
Audi	A8	95-03	13.80	17.31	2.39	1.24	4.59	3.34
BMW	5 Series E60 / E61	03-10	14.53	20.93	3.04	2.06	4.48	2.41
BMW	5 Series E28	82-88	16.77	24.86	4.17	3.38	5.15	1.78
BMW	5 Series E34	89-95	16.73	24.50	4.10	3.42	4.91	1.50

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
BMW	5 Series E39	96-03	13.34	19.72	2.63	2.12	3.27	1.15
BMW	7 Series E23	82-86	15.51	19.97	3.10	1.88	5.10	3.21
BMW	7 Series E32	87-94	18.57	26.01	4.83	3.57	6.54	2.97
BMW	7 Series E38	95-01	16.24	19.88	3.23	2.11	4.94	2.83
BMW	7 Series E65	02-08	12.81	32.59	4.17	2.26	7.70	5.44
Chrysler	300C	06-11	13.58	25.43	3.45	2.28	5.23	2.94
Ford	Falcon XE/XF	82-88	19.38	25.47	4.94	4.80	5.08	0.28
Ford	Fairlane Z & LTD F	82-87	18.91	25.44	4.81	4.46	5.19	0.73
Ford	Falcon EA / Falcon EB Series I	88-Mar 92	18.82	24.83	4.67	4.53	4.82	0.29
Ford	Falcon EB Series II / Falcon ED	Apr 92-94	18.04	24.70	4.46	4.27	4.65	0.37
Ford	Fairlane N & LTD D	88-94	16.18	23.95	3.88	3.56	4.22	0.65
Ford	Fairlane N & LTD D	95-98	17.88	24.52	4.38	3.89	4.94	1.05
Ford	Fairlane & LTD AU	99-02	16.95	21.08	3.57	2.99	4.26	1.27
Ford	Fairlane & LTD BA/BF	03-07	14.31	23.18	3.32	2.64	4.18	1.54
Ford	Falcon FG	08-12	13.65	15.65	2.14	1.83	2.50	0.67
Ford	Falcon EF/EL	94-98	18.14	23.30	4.23	4.10	4.35	0.25
Ford	Falcon AU	98-02	17.58	22.56	3.97	3.82	4.12	0.29
Ford	Taurus	96-98	19.64	24.18	4.75	3.80	5.93	2.13
Ford	Falcon BA/BF	02-08	15.79	21.71	3.43	3.29	3.57	0.29
Holden / Toyota	Commodore VN/VP / Lexcen	89-93	18.69	25.40	4.75	4.62	4.88	0.25
Holden	Statesman/Caprice WB	82-85	20.34	43.45	8.84	6.34	12.33	6.00
Holden	Stateman/Caprice VQ	90-93	16.93	28.47	4.82	3.89	5.98	2.09
Holden	Stateman/Caprice VR/VS	94-98	16.79	24.71	4.15	3.80	4.53	0.73
Holden / Toyota	Commodore VR/VS / Lexcen	93-97	17.85	24.47	4.37	4.25	4.49	0.24
Holden	Commodore VT/VX	97-02	18.01	23.01	4.14	4.02	4.27	0.24
Holden	Statesman/Caprice WH	99-03	17.71	23.49	4.16	3.61	4.79	1.18
Holden	Commodore VY/VZ	02-07	16.71	20.34	3.40	3.24	3.56	0.32
Holden	Monaro	01-05	17.57	24.07	4.23	3.53	5.06	1.53
Holden	Statesman/Caprice WK/WL	03-06	15.19	21.58	3.28	2.61	4.12	1.51
Holden	Commodore VB-VL	82-88	19.98	26.09	5.21	5.06	5.36	0.30

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Holden	Commodore VE	06-12	15.83	20.03	3.17	2.96	3.39	0.43
Holden	Statesman/Caprice WM	06-12	14.44	19.93	2.88	1.92	4.30	2.38
Hyundai	Sonata	89-97	19.21	23.01	4.42	4.02	4.85	0.83
Hyundai	Grandeaur / XG	99-00	18.30	17.78	3.25	2.34	4.52	2.19
Mitsubishi	Magna TM/TN/TP / Sigma / V3000	85-90	19.67	25.35	4.99	4.80	5.18	0.38
Mitsubishi	Magna TE/TF/TH/TJ / Verada KE/KF/KH/KJ / Diamante	96-03	17.98	22.90	4.12	3.95	4.30	0.35
Mitsubishi	Magna TR/TS / Verada KR/KS / V3000 / Diamante	91-96	18.71	23.23	4.35	4.18	4.52	0.33
Mitsubishi	Magna TL/TW / Verada KL/KW	03-05	17.59	20.92	3.68	3.24	4.18	0.95
Mitsubishi	380	05-08	15.33	20.26	3.11	2.59	3.73	1.14
Jaguar	XJ6	82-86	20.41	31.55	6.44	4.84	8.56	3.71
Jaguar	XJ6	87-94	17.51	17.74	3.11	2.26	4.27	2.02
Jaguar	XJ6	95-97	13.33	37.36	4.98	3.08	8.06	4.98
Jaguar	XJS	82-96	21.11	16.63	3.51	1.36	9.06	7.71
Jaguar	S-Type	99-08	13.59	16.95	2.30	1.48	3.59	2.11
Kia	Optima	01-06	18.35	17.83	3.27	1.92	5.56	3.64
Mazda	929 / Luce	82-90	20.63	23.81	4.91	4.46	5.42	0.96
Mazda	929 / Sentia / Efini MS-9	92-96	17.76	31.62	5.61	4.11	7.66	3.55
Mercedes Benz	E-Class W123	82-85	17.42	22.56	3.93	2.87	5.38	2.51
Mercedes Benz	E-Class W124	86-94	16.84	23.91	4.03	3.41	4.76	1.35
Mercedes Benz	E-Class W210	96-02	15.51	20.10	3.12	2.49	3.91	1.42
Mercedes Benz	S-Class W126	82-92	16.37	19.53	3.20	2.54	4.02	1.48
Mercedes Benz	S-Class R129	93-02	13.44	10.12	1.36	0.42	4.44	4.02
Mercedes Benz	S-Class C140	93-98	12.43	29.29	3.64	2.43	5.46	3.03
Mercedes Benz	S-Class W220	99-06	15.73	21.40	3.37	2.04	5.56	3.53
Mercedes Benz	E-Class W211	02-09	14.33	20.05	2.87	2.10	3.93	1.83
Nissan	Skyline	83-88	19.71	24.68	4.86	4.54	5.21	0.67
Nissan	300ZX / Fairlady Z	90-95	20.84	25.08	5.23	4.23	6.46	2.23
Nissan	Maxima	90-94	18.63	23.71	4.42	3.80	5.13	1.33
Nissan	Maxima / Cefiro	95-99	18.24	22.43	4.09	3.60	4.65	1.06

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
Nissan	Maxima	00-02	17.57	24.24	4.26	3.51	5.16	1.65
Nissan	300C / Laurel	85-87	22.39	27.65	6.19	3.50	10.94	7.44
Nissan	Maxima	06-09	14.85	19.88	2.95	2.33	3.74	1.40
Honda	Legend	86-95	17.54	23.68	4.15	3.45	5.01	1.56
Honda	Legend	96-98	10.70	18.53	1.98	0.95	4.15	3.20
Honda	Legend	99-04	16.18	40.51	6.56	3.64	11.79	8.15
Rover	3500	82-87	21.52	18.76	4.04	2.45	6.65	4.20
Saab	9-5	98-05	16.29	12.57	2.05	1.24	3.38	2.13
Saab	9-5	06-10	18.59	27.10	5.04	2.80	9.06	6.26
Toyota	Crown / Cressida / Mark II	82-85	20.45	26.44	5.41	4.82	6.07	1.25
Toyota	Crown / Cressida / Mark II	86-88	16.40	28.81	4.72	3.90	5.73	1.84
Toyota	Cressida / Mark II	89-93	16.12	20.35	3.28	2.85	3.77	0.92
Toyota	Supra	82-90	21.87	27.85	6.09	4.95	7.48	2.53
Lexus	ES300 / Windom	92-01	18.18	19.46	3.54	2.84	4.41	1.57
Lexus	LS400 / Celsior	90-00	15.31	23.05	3.53	2.44	5.11	2.68
Lexus	GS300	97-04	12.83	21.40	2.74	1.52	4.94	3.42
Toyota	Avalon	00-05	16.85	22.89	3.86	3.50	4.25	0.74
Lexus	ES300	01-05	10.56	26.75	2.82	1.51	5.29	3.78
Lexus	GS250/300/350/450h/460	05-12	12.09	23.50	2.84	1.39	5.81	4.42
Toyota	Aurion	06-12	14.70	19.14	2.81	2.41	3.29	0.88
Volvo	850/S70/V70/C70	92-99	17.48	23.28	4.07	3.55	4.66	1.11
Volvo	700/900 Series	84-92	17.38	20.93	3.64	3.13	4.22	1.09
Volvo	960/S90/V90	90-98	18.41	24.50	4.51	2.82	7.21	4.38
Volvo	S80	98-06	15.90	17.79	2.83	1.48	5.40	3.92
Volvo	V70 / XC70	00-07	14.56	14.63	2.13	1.27	3.58	2.32
Medium Cars			**16.92**	**21.78**	**3.68**	**3.56**	**3.82**	**0.26**
Alfa Romeo	164	89-92	18.78	33.02	6.20	3.87	9.94	6.07
Alfa Romeo	156	99-06	15.24	20.12	3.07	2.26	4.16	1.90

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
Alfa Romeo	GTV / Spider	98-04	14.48	27.59	3.99	2.30	6.92	4.62
Alfa Romeo	159 / Brera	06-12	14.83	11.48	1.70	0.64	4.54	3.90
Audi	A5 / S5 / RS5	07-12	11.47	10.43	1.20	0.36	3.98	3.62
Audi	A4 / S4 B8 / AllRoad	08-12	12.90	11.63	1.50	0.77	2.91	2.14
Audi	A6/S6/AllRoad	95-04	16.98	20.25	3.44	1.50	7.89	6.40
Audi	A4	95-01	15.64	22.09	3.46	2.83	4.21	1.38
Audi	TT	99-06	15.99	19.72	3.15	1.87	5.33	3.46
Audi	A4	01-08	13.83	19.44	2.69	2.12	3.40	1.28
BMW	Z3 E36	97-03	13.95	23.50	3.28	2.26	4.76	2.51
BMW	Z4 E85	03-09	15.08	30.64	4.62	2.47	8.66	6.19
BMW	3 Series E90 /E91 /E92 /E93	05-12	14.82	21.13	3.13	2.55	3.84	1.28
BMW	3 Series E30	82-91	17.47	23.46	4.10	3.71	4.52	0.81
BMW	3 Series E36	92-98	17.05	21.96	3.74	3.45	4.06	0.61
BMW	3 Series E46	99-06	17.03	20.51	3.49	3.14	3.89	0.75
Chrysler	PT Cruiser	00-10	16.50	20.01	3.30	2.22	4.92	2.70
Citroen	Xantia	94-00	14.84	28.42	4.22	2.43	7.31	4.87
Citroen	C5	01-08	13.68	18.21	2.49	1.41	4.38	2.97
Daewoo	Espero	95-97	22.22	25.88	5.75	4.84	6.83	1.99
Daewoo	Leganza	97-02	19.26	25.39	4.89	4.07	5.87	1.80
Daewoo	Tacuma	00-04	18.83	35.96	6.77	4.71	9.74	5.03
Ford	Cortina	82-82	20.54	25.72	5.28	4.62	6.03	1.41
Ford	Mondeo	95-01	16.65	21.17	3.53	3.16	3.93	0.77
Ford	Mondeo	07-12	16.59	16.20	2.69	1.91	3.79	1.89
Ford	Probe	94-98	20.76	28.87	5.99	4.49	8.00	3.50
Ford	Cougar	99-03	15.66	19.03	2.98	2.40	3.70	1.30
Holden	Calibra	94-97	18.50	26.52	4.91	3.87	6.22	2.35
Holden	Camira	82-89	23.13	24.46	5.66	5.40	5.92	0.52
Holden	Vectra	97-03	17.21	21.20	3.65	3.33	3.99	0.66
Holden	Vectra ZC	03-05	17.70	18.47	3.27	2.58	4.15	1.58
Hyundai	Sonata	98-01	18.19	20.28	3.69	3.06	4.45	1.40

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
Hyundai	Sonata EF	02-05	19.57	19.95	3.90	2.79	5.47	2.69
Hyundai	Tiburon	02-10	19.81	22.93	4.54	2.88	7.17	4.29
Hyundai	Sonata NF	05-10	21.10	22.53	4.75	3.42	6.61	3.19
Mitsubishi	Sigma / Galant / Sapporo / Lambda	82-84	20.46	24.57	5.03	4.78	5.29	0.52
Mitsubishi	Starion	82-87	20.23	36.12	7.31	5.33	10.01	4.68
Mitsubishi	Galant	95-96	19.53	21.83	4.26	3.76	4.83	1.07
Jaguar	X-Type	02-10	13.44	19.29	2.59	1.67	4.02	2.35
Kia	Credos	98-01	22.79	31.14	7.10	4.50	11.18	6.68
Kia	Magentis	06-09	21.22	31.71	6.73	4.06	11.15	7.09
Ford / Mazda	Telstar / 626 / MX6 / Capella	83-86	20.04	23.14	4.64	4.39	4.90	0.51
Ford / Mazda	Telstar / 626 / MX6 / Capella	88-91	18.30	24.79	4.54	4.27	4.82	0.55
Ford / Mazda	Telstar / 626 / MX6 / Capella / Cronos	92-97	16.39	24.32	3.99	3.73	4.26	0.54
Mazda	626	98-02	16.58	22.18	3.68	3.28	4.13	0.85
Mazda	RX7	82-85	20.99	29.25	6.14	4.99	7.56	2.57
Mazda	RX7	86-91	18.72	22.75	4.26	3.25	5.59	2.34
Mazda	RX7	92-98	17.87	25.38	4.53	2.51	8.20	5.69
Mazda	Eunos 500	93-99	21.56	18.79	4.05	2.93	5.60	2.67
Mazda	Eunos 800	94-00	18.73	28.57	5.35	3.46	8.27	4.81
Mazda	6 / Atenza	02-07	15.92	17.36	2.76	2.45	3.11	0.66
Mazda	RX-8	03-11	15.69	12.28	1.93	1.22	3.04	1.82
Mazda	6 / Atenza	08-11	17.01	19.89	3.38	2.41	4.74	2.33
Mercedes Benz	C-Class W201	87-93	17.14	25.83	4.43	3.67	5.34	1.66
Mercedes Benz	C-Class W202	95-00	14.10	22.10	3.12	2.65	3.67	1.01
Mercedes Benz	CLK C208	97-03	15.13	26.32	3.98	2.84	5.59	2.76
Mercedes Benz	SLK R170	97-04	17.11	16.42	2.81	1.68	4.69	3.01
Mercedes Benz	C-Class W203	00-07	14.89	19.82	2.95	2.45	3.56	1.11
Mercedes Benz	CLK C209	03-09	13.94	17.48	2.44	1.63	3.65	2.03
Mercedes Benz	SLK R171	04-11	17.64	14.27	2.52	0.96	6.59	5.62
Mercedes Benz	C-Class W204 / C204	07-12	12.31	18.91	2.33	1.67	3.24	1.57
Nissan	Pintara	86-88	19.18	24.39	4.68	4.33	5.06	0.73

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
Nissan / Ford	Pintara / Corsair / Bluebird	89-92	20.20	25.61	5.17	4.90	5.47	0.57
Nissan	Bluebird	82-86	20.80	25.54	5.31	5.05	5.59	0.54
Nissan	280ZX	82-84	18.10	32.03	5.80	3.59	9.35	5.76
Nissan	Bluebird	93-97	16.56	22.83	3.78	3.40	4.21	0.81
Nissan	200SX / Silvia	94-02	16.04	25.77	4.13	3.52	4.85	1.33
Nissan	350Z / Fairlady	03-09	18.50	26.30	4.86	3.55	6.67	3.12
Honda	Accord Euro	03-08	15.92	21.12	3.36	2.93	3.86	0.92
Honda	Accord	03-07	15.46	18.34	2.84	2.35	3.43	1.08
Honda	Accord	82-85	20.74	24.29	5.04	4.56	5.57	1.01
Honda	Accord	86-90	17.85	25.14	4.49	4.08	4.94	0.86
Honda	Accord	91-93	16.38	23.75	3.89	3.42	4.43	1.01
Honda	Accord	94-98	16.98	22.74	3.86	3.53	4.23	0.70
Honda	Accord	99-02	17.09	20.59	3.52	2.92	4.24	1.31
Honda	Accord	08-12	14.49	25.57	3.70	2.77	4.96	2.19
Honda	Accord Euro	08-12	16.55	18.99	3.14	2.12	4.65	2.52
Honda	Prelude	82-82	17.71	19.33	3.42	2.04	5.73	3.69
Honda	Prelude	83-91	18.57	25.52	4.74	4.37	5.14	0.76
Honda	Prelude	92-96	16.90	23.96	4.05	3.54	4.63	1.08
Honda	Prelude	97-02	16.92	21.92	3.71	3.02	4.55	1.52
Peugeot	407	04-11	10.01	14.63	1.46	0.83	2.58	1.75
Peugeot	405	89-97	15.66	23.93	3.75	3.03	4.64	1.62
Peugeot	505	82-93	14.40	23.05	3.32	2.58	4.27	1.68
Peugeot	406	96-04	10.43	25.73	2.68	1.92	3.75	1.83
Porsche	944	82-91	17.01	37.81	6.43	3.87	10.69	6.82
Renault	Feugo	82-87	17.88	19.91	3.56	2.46	5.15	2.68
Rover	75	01-05	16.06	19.49	3.13	1.79	5.47	3.68
Saab	900 Series	82-92	16.89	21.72	3.67	3.01	4.46	1.45
Saab	900/9-3	94-02	15.59	18.47	2.88	2.40	3.45	1.05
Saab	9000	86-97	16.63	18.26	3.04	2.45	3.76	1.32
Saab	9-3	03-11	18.50	22.89	4.23	3.09	5.81	2.72

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
Subaru	1800 / Leone / Omega / 4WD Wagon	82-93	20.38	22.96	4.68	4.37	5.01	0.65
Subaru	Liberty / Legacy	89-93	18.66	22.83	4.26	3.97	4.57	0.59
Subaru	Liberty / Legacy / Outback	94-98	16.87	24.03	4.05	3.71	4.43	0.72
Subaru	Liberty / Legacy / Outback	99-03	15.24	21.43	3.27	2.95	3.61	0.66
Subaru	Liberty / Legacy / Outback	03-09	13.66	21.97	3.00	2.63	3.42	0.79
Subaru	Liberty / Legacy / Outback / Exiga	09-12	12.21	18.25	2.23	0.97	5.14	4.18
Toyota	Corona	82-88	20.38	25.09	5.11	4.89	5.34	0.45
Toyota	Camry	83-86	20.49	24.30	4.98	4.51	5.50	0.99
Holden / Toyota	Apollo JK/JL / Camry / Vista	88-92	19.02	23.73	4.51	4.36	4.67	0.31
Holden / Toyota	Apollo JM/JP / Camry / Sceptor	93-97	19.24	24.51	4.72	4.54	4.90	0.36
Toyota	Camry	98-02	17.55	22.79	4.00	3.82	4.18	0.36
Toyota	Celica	81-85	21.73	22.41	4.87	4.35	5.45	1.10
Toyota	Celica	86-89	19.24	24.30	4.68	4.14	5.28	1.14
Toyota	Celica	90-93	19.76	25.46	5.03	4.52	5.60	1.08
Toyota	Celica	94-99	19.73	20.42	4.03	3.48	4.67	1.20
Toyota	Celica	00-05	15.48	22.75	3.52	2.74	4.53	1.79
Lexus	IS200 / IS300	99-04	15.75	18.62	2.93	2.21	3.89	1.68
Toyota	Camry	02-06	17.04	19.70	3.36	3.14	3.59	0.45
Lexus	IS350 / IS250 / IS F	05-12	13.03	18.55	2.42	1.70	3.43	1.73
Toyota	Camry	06-11	13.97	21.44	3.00	2.69	3.34	0.65
Volvo	200 Series	82-93	15.86	24.44	3.88	3.44	4.36	0.92
Volvo	S60	01-09	13.92	18.44	2.57	1.63	4.05	2.42
Volvo	S40/V50	04-12	15.01	12.42	1.86	1.01	3.44	2.43
Volkswagen	Passat	98-06	13.83	22.38	3.10	2.41	3.99	1.58
Volkswagen	Passat	06-12	13.64	15.95	2.17	1.33	3.55	2.22
Volkswagen	EOS	07-12	18.12	22.53	4.08	2.19	7.59	5.40
People Movers			**17.75**	**22.83**	**4.05**	**3.88**	**4.24**	**0.36**
Chrysler	Voyager	97-01	16.81	19.03	3.20	2.37	4.31	1.94

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
Chrysler	Grand Voyager RG	01-07	17.26	10.03	1.73	0.75	3.98	3.23
Ford	Spectron	86-90	24.08	19.60	4.72	2.38	9.35	6.96
Holden	Zafira TT	01-05	15.64	21.93	3.43	2.54	4.64	2.10
Hyundai	Trajet	00-07	16.21	32.45	5.26	3.18	8.68	5.50
Mitsubishi	Nimbus / Chariot / Spacewagon	85-91	20.73	21.46	4.45	3.56	5.55	1.99
Mitsubishi	Nimbus / Chariot	92-98	18.53	24.43	4.53	3.81	5.38	1.58
Mitsubishi	Nimbus	99-03	13.04	20.55	2.68	1.88	3.81	1.93
Mitsubishi	Starwagon / L300	83-86	25.57	28.38	7.26	6.64	7.93	1.28
Mitsubishi	Starwagon / Delica Starwagon	87-93	21.95	24.62	5.40	5.04	5.80	0.76
Mitsubishi	Starwagon / Delica Spacegear	95-03	21.10	23.06	4.87	4.29	5.52	1.22
Mitsubishi	Grandis	04-10	13.07	23.37	3.05	1.77	5.29	3.52
Kia	Carens	00-02	21.64	21.35	4.62	2.44	8.74	6.30
Kia	Carnival	99-06	16.07	23.73	3.81	3.24	4.49	1.25
Kia	Carnival	06-11	13.57	24.18	3.28	2.46	4.38	1.92
Mazda	MPV	94-99	16.96	22.54	3.82	2.72	5.38	2.67
Mazda	MPV	00-06	11.45	25.54	2.92	1.94	4.41	2.48
Nissan	Prairie	84-86	21.82	24.09	5.26	4.17	6.62	2.45
Nissan	Serena	92-95	16.07	19.15	3.08	2.23	4.24	2.01
Honda	Odyssey	95-00	16.86	22.60	3.81	3.18	4.56	1.38
Honda	Odyssey	00-02	15.02	28.38	4.26	3.10	5.86	2.77
Honda	Odyssey	04-09	14.23	17.55	2.50	1.87	3.33	1.46
Toyota	Tarago	83-89	22.62	27.59	6.24	5.78	6.74	0.96
Toyota	Tarago / Previa / Estima	91-99	16.62	24.02	3.99	3.60	4.43	0.83
Toyota	Tarago / Previa / Estima	00-06	14.43	24.13	3.48	2.92	4.16	1.24
Toyota	Spacia	93-00	17.95	20.71	3.72	2.40	5.76	3.36
Toyota	Avensis Verso	01-10	13.40	30.63	4.11	2.85	5.92	3.07
Toyota	Tarago	06-12	15.01	16.19	2.43	1.71	3.45	1.74

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
Small Cars			**17.85**	**21.74**	**3.88**	**3.75**	**4.01**	**0.27**
Alfa Romeo	33	83-92	17.49	25.77	4.51	3.55	5.73	2.19
Alfa Romeo	75	86-92	20.67	21.18	4.38	2.65	7.25	4.60
Alfa Romeo	90	85-88	13.63	43.94	5.99	3.22	11.15	7.93
Alfa Romeo	GTV	82-84	17.81	47.33	8.43	5.67	12.53	6.86
Alfa Romeo	Sprint	82-88	20.45	20.86	4.27	2.40	7.58	5.18
Alfa Romeo	Alfasud	82-84	23.73	32.55	7.72	4.74	12.60	7.86
Alfa Romeo	Alfetta	82-88	23.76	50.89	12.09	7.18	20.38	13.20
Alfa Romeo	147 / GT	01-10	14.08	21.55	3.03	2.07	4.45	2.38
Audi	A3	04-12	12.66	16.34	2.07	1.23	3.49	2.26
Audi	A3/S3	97-04	16.82	19.83	3.34	2.44	4.56	2.12
BMW	1 Series E81 / E82 / E87 / E88	04-12	16.24	16.72	2.72	2.01	3.67	1.67
Chrysler	Neon	96-99	18.31	22.70	4.16	3.25	5.31	2.07
Chrysler	Neon	00-02	18.07	25.42	4.60	2.93	7.22	4.29
Citroen	BX	86-94	6.75	18.42	1.24	0.62	2.48	1.86
Citroen	C4	05-10	14.84	22.15	3.29	2.06	5.24	3.18
Citroen	Xsara	00-05	23.32	19.45	4.54	2.56	8.04	5.48
Daihatsu	Applause	89-99	20.72	22.88	4.74	4.26	5.28	1.02
Daewoo	1.5i	94-95	25.74	21.92	5.64	3.53	9.03	5.50
Daewoo	Cielo	95-97	20.87	21.93	4.58	4.18	5.01	0.82
Daewoo	Nubira	97-03	18.35	21.74	3.99	3.60	4.42	0.81
Daewoo	Lanos	97-03	20.45	23.44	4.79	4.45	5.16	0.70
Daewoo	Lacetti	03-04	18.86	21.31	4.02	2.70	5.99	3.29
Dodge	Caliber	06-12	10.79	20.99	2.27	0.95	5.41	4.46
Ford	Laser	91-94	19.84	23.27	4.62	4.41	4.83	0.42
Ford	Laser	95-97	18.55	24.03	4.46	4.12	4.82	0.69
Ford	Escort	82-82	19.58	19.54	3.83	2.92	5.01	2.08
Ford	Capri	89-94	23.70	22.23	5.27	4.60	6.03	1.43

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
Ford	Focus LR	02-05	17.73	20.81	3.69	3.25	4.19	0.94
Ford	Focus LS / LT	05-09	15.08	22.70	3.42	3.03	3.87	0.84
Ford	Focus LV	09-12	15.05	16.48	2.48	1.72	3.57	1.85
Fiat	Regata	84-88	16.56	31.77	5.26	3.57	7.75	4.18
Holden / Isuzu	Piazza	86-88	17.53	21.40	3.75	1.81	7.77	5.96
Holden	Gemini	82-84	21.80	24.35	5.31	4.94	5.71	0.77
Holden	Gemini RB	86-87	23.43	22.85	5.35	4.56	6.29	1.73
Holden	Astra TR	96-98	17.34	22.11	3.83	3.29	4.47	1.18
Holden	Astra TS	98-06	16.84	20.10	3.39	3.20	3.58	0.38
Holden	Astra AH	04-09	16.85	19.83	3.34	2.98	3.74	0.76
Holden	Viva JF	05-09	16.87	22.32	3.77	3.22	4.41	1.19
Holden	Tigra	05-06	23.30	21.98	5.12	2.86	9.19	6.33
Holden	Cruze JG / JH	09-12	16.24	17.01	2.76	2.21	3.46	1.25
Hyundai	Excel	86-90	23.56	25.89	6.10	5.58	6.67	1.09
Hyundai	Excel	90-94	21.79	25.30	5.51	5.21	5.83	0.63
Hyundai	Excel / Accent	95-00	21.25	24.16	5.13	4.95	5.32	0.37
Hyundai	Elantra	00-06	18.41	22.14	4.08	3.69	4.50	0.81
Hyundai	Elantra Lavita	01-03	12.09	9.48	1.15	0.55	2.41	1.86
Hyundai	Accent	06-09	18.10	17.35	3.14	2.22	4.44	2.22
Hyundai	i30	07-12	14.38	22.77	3.27	2.73	3.92	1.19
Hyundai	Elantra	07-10	24.96	17.25	4.30	2.07	8.95	6.88
Hyundai	i30	12-12	14.10	20.46	2.89	1.69	4.92	3.23
Hyundai	S Coupe	90-96	21.42	25.36	5.43	4.67	6.32	1.65
Hyundai	Lantra	91-95	20.66	24.51	5.06	4.48	5.73	1.25
Hyundai	Lantra	96-00	18.77	24.59	4.61	4.26	5.00	0.74
Hyundai	Coupe	96-00	18.78	22.96	4.31	3.55	5.24	1.69
Hyundai	Accent	00-06	19.54	23.46	4.58	4.26	4.94	0.68
Mitsubishi	Lancer / Mirage CA	89-90	18.59	23.31	4.33	4.02	4.67	0.66
Mitsubishi	Lancer / Mirage CB	91-92	21.07	25.29	5.33	4.57	6.21	1.64
Mitsubishi	Lancer / Mirage CC	93-95	18.76	23.29	4.37	4.09	4.67	0.58

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
Mitsubishi	Lancer / Mirage CE	96-03	19.29	22.71	4.38	4.20	4.57	0.37
Mitsubishi	Cordia	83-87	23.17	27.71	6.42	5.75	7.17	1.42
Mitsubishi	Lancer CE / CG / Cedia	02-03	26.67	26.39	7.04	4.43	11.18	6.74
Mitsubishi	Lancer CH	03-07	16.67	22.86	3.81	3.46	4.20	0.74
Mitsubishi	Lancer CJ	08-12	15.28	20.77	3.17	2.65	3.79	1.14
Kia	Rio	00-05	18.80	23.88	4.49	4.07	4.95	0.88
Kia	Spectra	01-04	18.18	24.10	4.38	3.32	5.78	2.46
Kia	Cerato LD	04-08	17.42	21.45	3.74	3.04	4.59	1.54
Kia	Rio JB	05-11	16.91	22.80	3.85	3.33	4.46	1.12
Kia	Cerato TD	09-12	18.20	23.94	4.36	2.54	7.46	4.92
Ford / Mazda	Laser / 323 / Familia	82-88	22.41	24.44	5.48	5.32	5.64	0.31
Mazda	323 / Familia / Lantis	90-93	19.09	22.47	4.29	3.99	4.61	0.62
Mazda	323 / Familia / Lantis	95-98	18.69	22.70	4.24	3.93	4.58	0.65
Ford / Mazda	Laser / 323	99-03	17.18	20.33	3.49	3.26	3.75	0.49
Mazda	MX5 / Eunos Roadster	89-97	20.29	22.18	4.50	3.42	5.92	2.51
Mazda	MX5 / Eunos Roadster	98-05	17.08	17.77	3.04	2.20	4.19	1.99
Mazda	Eunos 30X / Presso / MX-3 / Autozam AZ-3	90-97	17.59	22.79	4.01	3.09	5.21	2.12
Mazda	3 / Axela	03-09	15.49	19.00	2.94	2.72	3.18	0.46
Mazda	MX-5	05-12	16.61	30.72	5.10	3.22	8.07	4.85
Mazda	3 / Axela	09-12	14.45	18.70	2.70	2.22	3.29	1.08
Mercedes Benz	A-Class W168	98-04	17.13	22.79	3.90	2.93	5.20	2.27
Mercedes Benz	A-Class W169	05-09	18.81	26.24	4.94	2.99	8.15	5.16
Mercedes Benz	B-Class W245	05-12	11.03	24.59	2.71	1.58	4.65	3.06
Holden / Nissan	Astra / Pulsar / Langley	84-86	22.29	26.63	5.93	5.62	6.26	0.64
Holden / Nissan	Astra / Pulsar / Vector / Sentra	88-90	20.42	25.62	5.23	4.99	5.49	0.50
Nissan	Pulsar / Vector / Sentra	92-95	18.65	23.19	4.33	4.06	4.60	0.54
Nissan	Pulsar / Vector / Sentra	96-99	18.61	22.86	4.25	4.02	4.50	0.48
Nissan	Pulsar / Bluebird Sylphy	00-05	17.81	21.86	3.89	3.66	4.14	0.49
Nissan	Stanza	82-83	22.00	26.22	5.77	4.48	7.42	2.94
Nissan	Gazelle / Silvia	84-86	20.73	28.54	5.91	4.97	7.03	2.06

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
Nissan	Exa	83-86	28.01	28.97	8.12	6.57	10.02	3.45
Nissan	Exa	87-91	21.29	30.59	6.51	4.81	8.82	4.01
Nissan	NX/NX-R	91-96	22.96	29.56	6.79	5.82	7.92	2.10
Nissan	Tiida	06-12	17.36	21.32	3.70	2.98	4.59	1.61
Honda	Civic	82-83	20.61	26.26	5.41	4.63	6.33	1.70
Honda	Civic / Ballade / Shuttle	84-87	22.50	26.99	6.07	5.57	6.62	1.04
Honda	Civic / Shuttle	88-91	20.18	23.24	4.69	4.35	5.05	0.69
Honda	Civic	92-95	19.38	22.77	4.41	4.09	4.76	0.66
Honda	Civic	96-00	18.85	20.59	3.88	3.58	4.21	0.63
Honda	CRX	87-91	23.38	27.02	6.32	5.23	7.63	2.39
Honda	CRX	92-98	19.60	25.95	5.09	3.72	6.96	3.24
Honda	S2000	99-09	13.23	16.37	2.17	1.23	3.83	2.60
Honda	Civic	01-05	16.08	20.28	3.26	2.85	3.74	0.89
Honda	Civic	06-11	16.08	17.76	2.85	2.37	3.44	1.08
Honda	Integra	86-88	20.33	24.37	4.95	4.18	5.87	1.70
Honda	Integra	90-92	20.63	24.93	5.14	4.39	6.02	1.63
Honda	Integra	93-01	18.78	21.88	4.11	3.55	4.75	1.20
Honda	Integra	02-06	17.71	24.58	4.35	3.20	5.93	2.73
Honda	Concerto	89-93	18.27	26.14	4.78	3.97	5.74	1.77
Peugeot	308	08-12	15.46	13.58	2.10	1.25	3.52	2.26
Peugeot	306	94-01	16.78	18.62	3.13	2.64	3.70	1.06
Peugeot	307	01-09	13.42	15.32	2.06	1.62	2.61	0.99
Proton	Wira	95-96	18.91	26.46	5.00	4.34	5.76	1.42
Proton	Gen 2	04-12	16.26	24.45	3.97	2.63	6.00	3.36
Renault	Megane Cabriolet	01-03	12.96	15.64	2.03	0.77	5.32	4.55
Renault	Megane II	03-10	17.06	24.78	4.23	2.82	6.34	3.53
Renault	19	91-96	20.20	20.30	4.10	2.86	5.88	3.02
Renault	Scenic	01-04	17.59	17.14	3.02	2.06	4.43	2.37
Rover	Quintet	82-86	21.11	20.57	4.34	3.04	6.19	3.15
MG	MGF / MG TF	99-05	13.83	26.14	3.62	2.50	5.22	2.72

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
Subaru	Vortex	85-89	25.36	20.81	5.28	3.15	8.85	5.70
Subaru	Impreza	93-00	19.01	25.80	4.90	4.57	5.26	0.69
Subaru	Impreza	01-07	15.35	20.47	3.14	2.82	3.50	0.68
Subaru	Impreza	07-11	13.53	20.71	2.80	2.19	3.58	1.39
Suzuki	Baleno / Cultus Crescent	95-02	17.73	20.22	3.58	3.09	4.16	1.07
Suzuki	Liana	01-07	16.44	20.16	3.31	2.59	4.24	1.65
Toyota	Corolla	82-84	21.30	23.47	5.00	4.73	5.28	0.55
Toyota	Corolla	86-88	20.58	24.71	5.09	4.87	5.31	0.45
Toyota / Holden	Corolla / Nova	89-93	19.70	23.87	4.70	4.54	4.87	0.33
Toyota / Holden	Corolla / Nova	94-97	18.37	22.91	4.21	4.03	4.39	0.36
Toyota	Corolla / Allex	98-01	17.22	20.69	3.56	3.32	3.83	0.51
Toyota	Corolla	02-07	16.73	21.16	3.54	3.36	3.73	0.37
Toyota	Corolla	07-12	15.69	21.01	3.30	3.01	3.62	0.61
Toyota	Tercel	83-88	21.92	22.50	4.93	3.91	6.22	2.32
Toyota	MR2	87-90	21.46	26.24	5.63	4.37	7.25	2.87
Toyota	MR2	91-00	21.50	24.79	5.33	4.00	7.11	3.11
Toyota	Paseo / Cynos	91-99	18.79	24.52	4.61	4.00	5.30	1.30
Toyota	MR2	00-05	18.65	18.61	3.47	1.74	6.94	5.20
Toyota	Corolla 4WD Wagon	92-96	18.98	25.54	4.85	3.72	6.31	2.58
Toyota	Prius II	03-09	12.85	16.98	2.18	1.64	2.90	1.26
Volvo	300 Series	84-88	15.65	30.60	4.79	3.23	7.10	3.87
Volvo	S40/V40	97-04	15.81	18.32	2.90	2.30	3.65	1.36
Volkswagen	Golf	82-94	20.40	27.44	5.60	4.10	7.65	3.55
Volkswagen	Golf	95-98	16.70	23.75	3.97	3.29	4.77	1.48
Volkswagen	Golf / Bora	99-04	16.85	17.73	2.99	2.61	3.42	0.80
Volkswagen	New Beetle	00-11	17.24	21.57	3.72	2.85	4.86	2.01
Volkswagen	Golf / Jetta	04-09	14.64	17.74	2.60	2.15	3.13	0.98

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
Light Cars			**19.15**	**22.32**	**4.28**	**4.13**	**4.43**	**0.30**
Mini	Mini Cooper	02-12	16.15	18.58	3.00	2.26	3.99	1.73
Mini	Coupe	12-12	19.78	19.81	3.92	1.98	7.74	5.75
Citroen	C3	02-10	16.85	13.40	2.26	1.19	4.30	3.12
Daihatsu	Charade	82-86	25.25	28.74	7.25	6.56	8.02	1.46
Daihatsu	Charade	88-92	21.95	24.99	5.49	5.12	5.88	0.76
Daihatsu	Charade	93-00	21.40	26.80	5.74	5.33	6.17	0.83
Daihatsu	Pyzar	97-01	17.87	27.32	4.88	3.70	6.45	2.75
Daihatsu	Move	97-99	22.10	17.26	3.81	2.15	6.77	4.62
Daihatsu	Sirion / Storia	98-04	19.50	22.28	4.35	3.80	4.97	1.18
Daihatsu	Charade	03-05	26.58	18.93	5.03	3.13	8.08	4.95
Daihatsu	Sirion / Storia	05-05	18.98	19.84	3.77	2.25	6.32	4.07
Daihatsu	Mira	90-96	28.43	27.31	7.77	6.71	8.99	2.29
Daewoo	Matiz	99-04	24.10	20.13	4.85	4.14	5.69	1.56
Daewoo	Kalos	03-04	18.80	24.17	4.54	3.60	5.74	2.14
Ford	Festiva WD/WH/WF	94-01	22.36	24.07	5.38	5.15	5.63	0.48
Ford	Ka	99-02	19.39	24.01	4.65	3.76	5.76	2.00
Ford	Fiesta WP/WQ	04-08	16.52	22.93	3.79	2.81	5.11	2.29
Ford	Fiesta WS	09-12	18.67	21.17	3.95	3.02	5.18	2.16
Fiat	Punto	06-09	17.98	24.18	4.35	2.08	9.06	6.98
Holden	Barina XC / Combo	01-12	18.06	19.58	3.54	3.19	3.92	0.72
Holden	Barina SB	95-00	20.69	21.61	4.47	4.17	4.79	0.62
Holden	Barina TK	05-11	17.28	20.03	3.46	3.07	3.90	0.83
Hyundai	Getz / TB	02-11	17.86	25.42	4.54	4.24	4.86	0.62
Mitsubishi	Mirage / Colt	82-88	22.81	24.62	5.61	5.34	5.90	0.56
Mitsubishi	Colt	04-11	17.21	22.29	3.84	3.12	4.72	1.61
Ford / Mazda	Festiva WA / 121	87-90	22.46	24.90	5.59	5.25	5.96	0.71
Mazda	121 / Autozam Review	94-96	20.92	22.91	4.79	4.37	5.26	0.89

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
Mazda	121 Metro / Demio	97-02	18.46	22.52	4.16	3.76	4.59	0.83
Mazda	2 / Demio	02-07	16.67	25.74	4.29	3.72	4.96	1.24
Mazda	2 / Demio	07-12	16.14	21.54	3.48	2.95	4.10	1.15
Nissan	Micra	95-97	20.99	24.47	5.14	4.31	6.12	1.80
Honda	Jazz / Fit	02-08	15.57	21.53	3.35	2.97	3.79	0.82
Honda	Jazz GE / Fit	08-12	15.37	19.30	2.97	2.24	3.93	1.69
Honda	City	83-86	26.91	25.19	6.78	5.80	7.93	2.13
Honda	City	09-12	13.90	11.90	1.65	0.83	3.28	2.45
Peugeot	205	87-94	18.39	20.03	3.68	2.56	5.30	2.74
Peugeot	207	07-12	11.85	11.78	1.40	0.72	2.69	1.97
Peugeot	206	99-07	16.61	22.37	3.71	3.04	4.54	1.50
Proton	Satria	97-05	18.17	20.76	3.77	2.41	5.89	3.48
Proton	Savvy	06-11	15.55	20.74	3.23	1.80	5.80	4.00
Renault	Clio	01-08	18.07	29.71	5.37	3.92	7.35	3.43
Lada	Samara	88-90	19.31	43.25	8.35	4.84	14.43	9.59
Subaru	Sherpa / Fiori / 700 / Rex	89-92	31.07	25.77	8.01	6.86	9.34	2.48
Suzuki	Swift	82-85	25.43	28.57	7.26	5.30	9.96	4.66
Holden / Suzuki	Barina / Swift / Cultus	86-88	25.32	25.98	6.58	6.09	7.11	1.03
Holden / Suzuki	Barina / Swift / Cultus	89-99	21.50	24.15	5.19	4.97	5.43	0.47
Suzuki	Hatch / Alto	82-84	31.18	28.15	8.78	7.58	10.16	2.58
Suzuki	Alto	85-00	28.59	29.04	8.30	6.76	10.20	3.44
Suzuki	Ignis	00-02	21.07	22.46	4.73	3.89	5.75	1.86
Suzuki	Swift	05-10	17.28	21.43	3.70	3.34	4.10	0.76
Suzuki	Alto	09-12	19.39	21.28	4.13	2.50	6.82	4.32
Suzuki	Swift	11-12	22.27	28.92	6.44	3.88	10.70	6.82
Toyota	Starlet	96-99	20.07	24.33	4.88	4.51	5.28	0.77
Toyota	Echo	99-05	17.70	23.48	4.16	3.89	4.44	0.55
Toyota	Yaris / Vitz	05-11	16.74	18.84	3.15	2.86	3.47	0.61
Toyota	Yaris / Vitz	11-12	17.88	17.18	3.07	2.29	4.12	1.83
Volkswagen	Polo	96-00	18.77	20.30	3.81	3.03	4.79	1.77

Make	Model of Car	Years of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 road users involved %	Lower 90% Confidence Limit	Lower 90% Confidence Limit	Width of Confidence Interval
Volkswagen	Polo	01-02	17.80	25.16	4.48	2.70	7.42	4.72
Volkswagen	Polo	02-10	17.46	21.61	3.77	2.91	4.90	2.00

APPENDIX 7

PRESENTATION OF CRASHWORTHINESS, AGGRESSIVITY AND TOTAL SECONDARY SAFETY RATINGS FOR CONSUMER INFORMATION

CRASHWORTHINESS, AGGRESSIVITY AND TOTAL SECONDARY SAFETY

Victoria and New South Wales Data (1987-2012), South Australia Data (1995-2012), Queensland Data (1991-2012), Western Australia and New Zealand Data (1991-2012)

Criteria

Latest Year of Manufacture	1996	**Benchmark**	CWR 2.28%	AGG 2.68%	TSS 2.72%
Confidence Limit Width	0.0205	**Percentile**	11.00%	11.00%	11.00%
Coefficient of Variation	1.6	**Increment**	30.00%	20.00%	20.00%

Make	Model	Years of Manufacture	CRASHWORTHINESS RATING										Best pick			Aggressivity Rating	Total Secondary Safety Rating
			CWR	Lower 90% CL	Upper 90% CL	90% CL Width	CoV	Equivalent to benchmark	Worse than benchmark	At least 30% worse than benchmark	At least 60% worse than benchmark	At least 90% worse than benchmark	Identifies vehicles with excellent CWR and TSS	Best pick	Electronic Stability Control Fitment qualificr	++ =Equivalent to benchmark + =Worse than benchmark o =At least 20% worse than benchmark x =At least 40% worse than benchmark xx =At least 60% worse than benchmark	++ =Equivalent to benchmark + =Worse than benchmark o =At least 20% worse than benchmark x =At least 40% worse than benchmark xx =At least 60% worse than benchmark
Small Sports Utility Vehicles																	
Daihatsu	Feroza / Rocky	89-97	5.37	4.35	6.63	2.28	0.43					x					x
Daihatsu	Rocky / Rugger	85-98	7.52	5.97	9.48	3.50	0.47					x					xx
Daihatsu	Terios	97-05	5.44	4.51	6.56	2.05	0.38					x					x
Holden	Cruze	02-06	5.52	4.55	6.69	2.14	0.39					x					x
Holden / Suzuki	Drover / Sierra / Samurai / SJ410 / SJ413	82-99	7.07	6.41	7.80	1.39	0.20					x				o	xx
Kia	Sportage	98-03	3.80	2.98	4.85	1.86	0.49										+
Mitsubishi / Peugeot	Outlander / 4007	06-12	1.43	0.90	2.26	1.35	0.95								Y [1]		++
Nissan	X-Trail	01-07	3.18	2.77	3.65	0.88	0.28									o	+
Suzuki	Vitara / Escudo	88-98	6.11	5.51	6.77	1.26	0.21					x				x	xx
Medium Sports Utility Vehicles																	
Ford / Mazda	Escape / Tribute	01-06	3.50	2.96	4.14	1.18	0.34									o	o

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Holden	Captiva CG	06-12	2.11	1.55	2.87	1.32	0.63								Y	++	++
Holden / Isuzu	Jackaroo / Bighorn	92-97	3.47	2.72	4.43	1.70	0.49										o
Holden / Isuzu	Jackaroo / Bighorn	98-02	3.72	2.96	4.67	1.71	0.46									xx	x
Honda	CR-V	97-01	3.14	2.70	3.66	0.96	0.31									+	+
Honda	CR-V	07-12	3.13	2.35	4.17	1.82	0.58										++
Honda	CR-V	02-06	2.62	2.17	3.15	0.97	0.37								N	+	++
Jeep	Cherokee KJ	01-07	2.21	1.47	3.31	1.84	0.83								Y [2]		++
Jeep	Cherokee XJ	96-00	4.00	3.33	4.80	1.47	0.37									xx	x
Mazda	CX-7	06-12	1.47	0.84	2.54	1.70	1.16								Y		++
Mitsubishi	Pajero	92-99	3.67	3.24	4.16	0.92	0.25									xx	x
Mitsubishi	Pajero NM / NP	00-06	2.68	2.18	3.29	1.11	0.42										+
Mitsubishi	Pajero NS / NT / NW	07-12	1.63	0.94	2.82	1.89	1.16									xx	++
Nissan	Pathfinder	05-12	1.33	0.77	2.30	1.53	1.15								Y [3]		++
Nissan	Pathfinder / Terrano / Regulus	95-05	2.48	1.97	3.11	1.13	0.46									xx	+
Subaru	Forester	97-02	3.10	2.63	3.64	1.01	0.33									++	++
Subaru	Forester	02-08	2.68	2.26	3.18	0.92	0.34								Y [4]	+	++
Subaru	Forester	08-12	2.37	1.58	3.56	1.98	0.84								Y		++
Suzuki	Grand Vitara	99-05	3.49	2.80	4.36	1.56	0.45										+
Suzuki	Grand Vitara / Escudo	05-08	2.50	1.69	3.70	2.01	0.80								N		++
Toyota	RAV4	94-00	4.33	3.84	4.88	1.03	0.24									x	x
Toyota	RAV4	01-06	3.22	2.82	3.69	0.88	0.27									x	o
Toyota	RAV4	06-12	2.71	2.22	3.31	1.08	0.40								Y [4]	++	++
Large Sports Utility Vehicles																	
Ford	Explorer	01-05	2.49	1.68	3.68	2.01	0.81								N		++
Ford	Territory SX/SY	04-10	2.08	1.69	2.58	0.89	0.43								Y		++
Jeep	Grand Cherokee WG	99-05	2.21	1.41	3.45	2.04	0.93										+
Land Rover	Discovery	91-02	3.16	2.57	3.88	1.30	0.41									o	+
Mercedes Benz	M-Class W163	98-05	2.31	1.52	3.51	1.99	0.86								Y		++
Nissan	Patrol / Safari	98-12	2.59	2.31	2.90	0.58	0.23									xx	o

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Nissan / Ford	Patrol / Maverick / Safari	88-97	3.10	2.82	3.40	0.59	0.19									xx	x
Toyota	Kluger / Highlander	03-07	3.04	2.35	3.93	1.58	0.52										++
Toyota	Kluger / Highlander	07-12	1.61	1.04	2.47	1.42	0.89								Y	++	++
Toyota	Landcruiser	90-97	3.53	3.29	3.79	0.50	0.14									xx	xx
Toyota	Landcruiser	98-07	2.89	2.65	3.15	0.50	0.17										o
Toyota	Landcruiser 200 Series	07-12	1.34	0.83	2.15	1.32	0.99									xx	++
Toyota	Landcruiser Prado	96-03	2.70	2.23	3.27	1.03	0.38									xx	o
Toyota	Landcruiser Prado	03-09	2.08	1.76	2.45	0.69	0.33									xx	+
Commercial - Vans																	
Daihatsu	Handivan / Cuore	99-03	8.84	6.37	12.28	5.91	0.67										xx
Ford	Transit	95-00	3.77	2.92	4.86	1.94	0.52										o
Ford	Transit	01-07	1.58	1.13	2.20	1.07	0.68								N	o	++
Holden / Suzuki	Scurry / Carry	82-00	11.81	9.52	14.64	5.13	0.43										xx
Mercedes Benz	Sprinter	98-06	2.24	1.53	3.28	1.75	0.78										+
Toyota	Hiace	05-12	2.91	2.34	3.61	1.27	0.44										+
Toyota	Hiace/Liteace	96-04	3.74	3.36	4.15	0.79	0.21									xx	x
Volkswagen	Caravelle / Transporter	95-04	2.49	1.72	3.60	1.88	0.76									xx	o
Commercial - Utes																	
Ford	Falcon Ute	96-99	3.92	3.37	4.56	1.19	0.30									xx	x
Ford	Falcon Ute AU	00-02	2.98	2.58	3.45	0.87	0.29									xx	o
Ford	Falcon Ute BA/BF	03-08	2.66	2.31	3.07	0.76	0.28									o	+
Ford / Mazda	Courier / Bravo / Bounty	03-06	3.43	2.90	4.07	1.17	0.34									o	o
Ford / Mazda	Courier / B-Series / Bounty	98-02	3.52	3.02	4.10	1.08	0.31									x	o
Ford / Mazda	Ranger / BT-50	06-11	2.41	2.04	2.85	0.81	0.34										+
Holden	Commodore Ute VR/VS	94-00	4.71	4.36	5.09	0.73	0.15									xx	xx
Holden	Commodore VE Ute	07-12	2.47	1.81	3.37	1.56	0.63								Y		++
Holden	Commodore VU Ute	00-02	3.43	2.96	3.98	1.02	0.30									x	o
Holden	Commodore VY/VZ Ute	02-07	2.95	2.66	3.27	0.61	0.21									xx	o
Holden	Rodeo	96-98	3.82	3.33	4.37	1.04	0.27									xx	x

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Holden	Rodeo	99-02	4.07	3.61	4.59	0.98	0.24									xx	x
Holden	Rodeo	03-08	3.01	2.68	3.38	0.69	0.23									xx	o
Kia	Ceres	92-00	6.41	5.38	7.63	2.25	0.35									+	xx
Mitsubishi	Triton MK	96-06	3.06	2.53	3.69	1.16	0.38									o	+
Mitsubishi	Triton ML / MN	06-12	2.33	1.88	2.89	1.01	0.43								Y [5]	o	++
Nissan	Navara	92-96	4.33	3.69	5.08	1.39	0.32									xx	x
Nissan	Navara	97-05	2.82	2.47	3.23	0.77	0.27									xx	o
Nissan	Navara	05-12	2.49	2.01	3.09	1.08	0.43								Y [6]		++
Toyota	4Runner/Hilux	89-97	4.67	4.44	4.91	0.47	0.10									xx	xx
Toyota	Hilux	98-02	3.35	3.06	3.67	0.61	0.18									xx	o
Toyota	Hilux	03-04	3.11	2.67	3.62	0.95	0.31									xx	o
Toyota	Hilux	05-12	2.42	2.15	2.72	0.57	0.24									x	+
Large Cars																	
BMW	5 Series E39	96-03	2.38	1.77	3.20	1.43	0.60								Y	++	++
Ford	Fairlane & LTD AU	99-02	3.47	2.71	4.43	1.72	0.50									+	+
Ford	Fairlane N & LTD D	95-98	4.04	3.42	4.76	1.34	0.33									x	x
Ford	Falcon AU	98-02	3.70	3.52	3.90	0.38	0.10									x	x
Ford	Falcon BA/BF	02-08	2.90	2.73	3.08	0.35	0.12									x	o
Ford	Falcon FG	08-12	1.94	1.53	2.46	0.93	0.48								Y	++	++
Ford	Falcon EF/EL	94-98	4.03	3.88	4.19	0.32	0.08									xx	x
Holden	Commodore VE	06-12	2.67	2.42	2.95	0.53	0.20										+
Holden	Commodore VT/VX	97-02	3.78	3.63	3.93	0.29	0.08									xx	x
Holden	Commodore VY/VZ	02-07	3.06	2.87	3.26	0.39	0.13									o	+
Holden	Monaro	01-05	3.56	2.79	4.56	1.77	0.50										o
Holden	Statesman/Caprice WH	99-03	3.58	2.92	4.39	1.47	0.41									x	o
Holden	Statesman/Caprice WK/WL	03-06	2.77	2.00	3.85	1.85	0.67								Y [7]		++
Holden	Stateman/Caprice VR/VS	94-98	4.11	3.67	4.61	0.94	0.23									o	o
Holden / Toyota	Commodore VR/VS / Lexcen	93-97	4.56	4.41	4.72	0.32	0.07									x	x
Hyundai	Sonata	89-97	4.50	3.97	5.10	1.13	0.25									o	x

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Mercedes Benz	E-Class W210	96-02	2.75	1.97	3.83	1.86	0.68								Y [8]		++
Mitsubishi	380	05-08	2.49	1.90	3.26	1.36	0.55								N	+	++
Mitsubishi	Magna TE/TF/TH/TJ / Verada KE/KF/KH/KJ / Diamante	96-03	4.14	3.91	4.39	0.48	0.11									x	x
Mitsubishi	Magna TL/TW / Verada KL/KW	03-05	3.33	2.79	3.96	1.17	0.35									o	+
Mitsubishi	Magna TR/TS / Verada KR/KS / V3000 / Diamante	91-96	4.47	4.25	4.71	0.46	0.10									x	x
Nissan	Maxima	06-09	2.89	2.10	3.98	1.88	0.65								Y		++
Nissan	Maxima / Cefiro	95-99	4.50	3.82	5.30	1.47	0.33									+	o
Toyota	Aurion	06-12	2.28	1.80	2.89	1.09	0.48								Y	+	++
Toyota	Avalon	00-05	3.32	2.89	3.82	0.92	0.28									x	o
Volvo	850/S70/V70/C70	92-99	3.63	2.97	4.43	1.46	0.40									x	o
Medium Cars																	
Audi	A4	95-01	3.67	2.82	4.77	1.95	0.53									++	+
Audi	A4	01-08	2.01	1.33	3.05	1.73	0.86								Y	++	++
BMW	3 Series E36	92-98	3.77	3.38	4.20	0.82	0.22									+	o
BMW	3 Series E46	99-06	3.39	2.93	3.93	1.00	0.29									+	+
BMW	3 Series E90 /E91 /E92 /E93	05-12	2.35	1.69	3.28	1.58	0.67								Y		++
Daewoo	Espero	95-97	6.90	5.62	8.49	2.87	0.42										xx
Daewoo	Tacuma	00-04	7.88	5.06	12.25	7.19	0.91										xx
Ford	Cougar	99-03	3.23	2.45	4.27	1.82	0.56									++	++
Ford	Mondeo	95-01	3.31	2.85	3.84	1.00	0.30									o	+
Ford / Mazda	Telstar / 626 / MX6 / Capella / Cronos	92-97	4.48	4.12	4.87	0.75	0.17									+	o
Holden	Vectra	97-03	3.42	3.01	3.88	0.87	0.25									o	o
Holden	Vectra ZC	03-05	2.58	1.82	3.67	1.86	0.72								N		++
Holden / Toyota	Apollo JM/JP / Camry / Sceptor	93-97	5.19	4.94	5.45	0.50	0.10									x	xx
Honda	Accord	94-98	3.93	3.49	4.42	0.94	0.24									o	o

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Honda	Accord	99-02	2.84	2.18	3.70	1.52	0.53										+	
Honda	Accord	03-07	2.32	1.76	3.06	1.30	0.56								N	+	++	
Honda	Accord Euro	03-08	2.84	2.31	3.49	1.18	0.42									+	+	
Honda	Prelude	92-96	4.78	4.06	5.62	1.56	0.33									++	o	
Honda	Prelude	97-02	2.87	2.10	3.94	1.84	0.64										+	
Hyundai	Sonata	98-01	4.16	3.26	5.30	2.04	0.49									++	+	
Lexus	IS200 / IS300	99-04	1.69	1.01	2.83	1.82	1.07								Y [9]		++	
Mazda	626	98-02	3.68	3.15	4.29	1.14	0.31									+	o	
Mazda	6 / Atenza	02-07	2.65	2.26	3.10	0.84	0.32								Y [10]		++	
Mercedes Benz	C-Class W202	95-00	3.22	2.57	4.03	1.46	0.45									++	++	
Mercedes Benz	C-Class W203	00-07	3.04	2.34	3.96	1.62	0.53									++	++	
Mitsubishi	Galant	95-96	5.03	4.33	5.86	1.53	0.30										o	
Nissan	200SX / Silvia	94-02	4.03	3.29	4.95	1.66	0.41										o	
Nissan	Bluebird	93-97	4.00	3.49	4.57	1.08	0.27									+	o	
Saab	9000	86-97	2.64	1.92	3.64	1.72	0.65								N	++	++	
Saab	900/9-3	94-02	2.86	2.21	3.69	1.48	0.52								N	++	++	
Subaru	Liberty / Legacy / Outback	94-98	3.84	3.43	4.31	0.88	0.23									x	o	
Subaru	Liberty / Legacy / Outback	99-03	2.99	2.61	3.43	0.82	0.27									+	+	
Subaru	Liberty / Legacy / Outback	03-09	2.94	2.47	3.50	1.03	0.35									++	++	
Toyota	Camry	98-02	3.81	3.58	4.06	0.48	0.13										x	
Toyota	Camry	02-06	3.09	2.82	3.39	0.57	0.18									o	+	
Toyota	Camry	06-11	2.59	2.21	3.03	0.82	0.32								Y [11]	+	++	
Toyota	Celica	94-99	4.36	3.61	5.25	1.64	0.38									+	o	
Volkswagen	Passat	98-06	2.39	1.61	3.56	1.94	0.81								Y [12]		++	
People Movers																		
Honda	Odyssey	95-00	3.01	2.34	3.88	1.54	0.51										+	
Honda	Odyssey	04-09	1.80	1.08	3.00	1.92	1.07								Y [13]		++	
Kia	Carnival	99-06	2.85	2.23	3.63	1.39	0.49									xx	+	
Kia	Carnival	06-11	1.66	1.00	2.76	1.76	1.06									xx	++	

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Mitsubishi	Starwagon / Delica Spacegear	95-03	4.98	4.22	5.88	1.65	0.33									xx	x
Toyota	Tarago / Previa / Estima	91-99	3.68	3.16	4.27	1.11	0.30									x	o
Toyota	Tarago / Previa / Estima	00-06	2.81	2.15	3.67	1.52	0.54										+
Small Cars																	
Daewoo	Cielo	95-97	5.73	5.15	6.37	1.22	0.21									++	x
Daewoo	Lanos	97-03	5.92	5.42	6.46	1.04	0.18									+	xx
Daewoo	Nubira	97-03	4.38	3.85	4.97	1.12	0.26									+	o
Daihatsu	Applause	89-99	5.95	5.23	6.75	1.52	0.26									++	x
Ford	Focus LR	02-05	3.51	2.96	4.14	1.18	0.34									+	+
Ford	Focus LS / LT	05-09	3.25	2.76	3.82	1.06	0.33									+	+
Ford	Laser	95-97	5.34	4.85	5.87	1.01	0.19									+	x
Ford / Mazda	Laser / 323	99-03	3.85	3.53	4.21	0.68	0.18									++	+
Holden	Astra AH	04-09	3.21	2.75	3.74	0.99	0.31									+	+
Holden	Astra TR	96-98	4.17	3.42	5.09	1.67	0.40										o
Holden	Astra TS	98-06	3.48	3.23	3.76	0.53	0.15									+	+
Holden	Cruze JG / JH	09-12	2.11	1.51	2.96	1.45	0.69								Y		++
Holden	Viva JF	05-09	3.93	3.22	4.80	1.57	0.40									++	+
Honda	Civic	96-00	4.58	4.15	5.07	0.92	0.20									++	o
Honda	Civic	01-05	3.52	2.95	4.19	1.24	0.35									++	+
Honda	Civic	06-11	2.75	2.23	3.39	1.16	0.42								Y [14]		++
Honda	Integra	93-01	4.65	3.89	5.55	1.67	0.36										o
Hyundai	Accent	00-06	5.37	4.90	5.87	0.97	0.18									+	x
Hyundai	Coupe	96-00	5.44	4.34	6.83	2.49	0.46										o
Hyundai	Elantra	00-06	4.47	3.94	5.07	1.13	0.25									+	o
Hyundai	Excel / Accent	95-00	6.37	6.10	6.65	0.55	0.09									+	xx
Hyundai	i30	07-12	3.12	2.46	3.97	1.52	0.49									++	+
Hyundai	Lantra	96-00	5.37	4.87	5.93	1.06	0.20									o	x
Hyundai	S Coupe	90-96	7.02	5.87	8.39	2.52	0.36									++	xx
Kia	Rio	00-05	5.12	4.54	5.77	1.23	0.24									+	x

Make	Model	Years of Manufacture	CRASHWORTHINESS RATING										Best pick			Aggressivity Rating	Total Secondary Safety Rating
			CWR	Lower 90% CL	Upper 90% CL	90% CL Width	CoV	Equivalent to benchmark	Worse than benchmark	At least 30% worse than benchmark	At least 60% worse than benchmark	At least 90% worse than benchmark	Identifies vehicles with excellent CWR and TSS	Best pick	Electronic Stability Control Fitment qualificr	++ =Equivalent to benchmark + =Worse than benchmark o =At least 20% worse than benchmark x =At least 40% worse than benchmark xx =At least 60% worse than benchmark	++ =Equivalent to benchmark + =Worse than benchmark o =At least 20% worse than benchmark x =At least 40% worse than benchmark xx =At least 60% worse than benchmark
Kia	Rio JB	05-11	4.88	4.12	5.77	1.64	0.34									++	o
Mazda	3 / Axela	03-09	3.08	2.79	3.40	0.61	0.20									++	+
Mazda	3 / Axela	09-12	2.99	2.32	3.86	1.54	0.51									++	++
Mazda	323 / Familia / Lantis	95-98	5.27	4.81	5.77	0.97	0.18									++	x
Mitsubishi	Lancer / Mirage CE	96-03	5.22	4.96	5.50	0.55	0.10									+	x
Mitsubishi	Lancer CE / CG / Cedia	02-03	10.41	6.39	16.94	10.55	1.01										xx
Mitsubishi	Lancer CH	03-07	4.20	3.72	4.74	1.02	0.24									++	o
Mitsubishi	Lancer CJ	08-12	3.23	2.55	4.11	1.56	0.48									++	++
Nissan	Pulsar / Bluebird Sylphy	00-05	4.58	4.26	4.94	0.68	0.15									++	o
Nissan	Pulsar / Vector / Sentra	96-99	5.02	4.68	5.40	0.72	0.14										x
Nissan	NX/NX-R	91-96	7.68	6.33	9.31	2.97	0.39									xx	xx
Peugeot	306	94-01	3.40	2.74	4.22	1.47	0.43									++	++
Peugeot	307	01-09	1.68	1.17	2.41	1.25	0.74								Y [15]	++	++
Proton	Wira	95-96	5.75	4.83	6.84	2.00	0.35									+	x
Subaru	Impreza	93-00	5.44	4.98	5.93	0.94	0.17									o	xx
Subaru	Impreza	01-07	3.17	2.75	3.65	0.90	0.28									++	+
Subaru	Impreza	07-11	2.57	1.77	3.72	1.94	0.76								Y		++
Suzuki	Baleno / Cultus Crescent	95-02	5.16	4.37	6.09	1.72	0.33									++	+
Toyota	Corolla	02-07	3.78	3.53	4.03	0.50	0.13									+	o
Toyota	Corolla	07-12	3.20	2.83	3.63	0.80	0.25									+	+
Toyota	Corolla / Allex	98-01	3.66	3.34	4.01	0.67	0.18									+	o
Toyota	Paseo / Cynos	91-99	5.23	4.39	6.23	1.83	0.35										x
Toyota	Prius II	03-09	1.99	1.30	3.06	1.76	0.88								Y [4]	++	++
Toyota / Holden	Corolla / Nova	94-97	5.08	4.82	5.35	0.53	0.10									+	x
Volkswagen	Golf	95-98	3.83	2.95	4.96	2.02	0.53									+	o
Volkswagen	Golf / Bora	99-04	2.76	2.28	3.35	1.06	0.38								N	++	++
Volkswagen	Golf / Jetta	04-09	2.38	1.92	2.95	1.03	0.44								Y [16]		++
Daewoo	Cielo	95-97	5.73	5.15	6.37	1.22	0.21									++	x

Make	Model	Years of Manufacture	CRASHWORTHINESS RATING										Best pick			Aggressivity Rating	Total Secondary Safety Rating
			CWR	Lower 90% CL	Upper 90% CL	90% CL Width	CoV	Equivalent to benchmark	Worse than benchmark	At least 30% worse than benchmark	At least 60% worse than benchmark	At least 90% worse than benchmark	Identifies vehicles with excellent CWR and TSS	Best pick	Electronic Stability Control Fitment qualificr	++ =Equivalent to benchmark + =Worse than benchmark o =At least 20% worse than benchmark x =At least 40% worse than benchmark xx =At least 60% worse than benchmark	++ =Equivalent to benchmark + =Worse than benchmark o =At least 20% worse than benchmark x =At least 40% worse than benchmark xx =At least 60% worse than benchmark
Light Cars																	
Daewoo	Kalos	03-04	5.81	4.46	7.59	3.13	0.54										
Daewoo	Matiz	99-04	6.37	5.31	7.65	2.34	0.37									++	x
Daihatsu	Charade	93-00	7.65	7.04	8.32	1.28	0.17									+	xx
Daihatsu	Charade	03-05	7.58	4.64	12.37	7.73	1.02										
Daihatsu	Mira	90-96	11.31	9.64	13.26	3.63	0.32									++	xx
Daihatsu	Sirion / Storia	98-04	5.69	4.88	6.63	1.75	0.31									++	o
Ford	Ka	99-02	6.17	4.84	7.87	3.03	0.49									++	o
Ford	Festiva WD/WH/WF	94-01	7.13	6.78	7.51	0.73	0.10									+	xx
Holden	Barina TK	05-11	4.36	3.80	5.01	1.20	0.28									++	+
Holden	Barina XC / Combo	01-12	3.81	3.34	4.34	1.00	0.26									+	+
Holden	Barina SB	95-00	5.34	4.91	5.82	0.91	0.17									+	x
Holden / Suzuki	Barina / Swift / Cultus	89-99	7.01	6.66	7.37	0.71	0.10									++	xx
Honda	Jazz / Fit	02-08	3.65	3.14	4.25	1.11	0.30									++	+
Hyundai	Getz / TB	02-11	4.95	4.55	5.39	0.84	0.17									o	x
Mazda	121 / Autozam Review	94-96	6.53	5.89	7.25	1.35	0.21									++	xx
Mazda	121 Metro / Demio	97-02	5.37	4.78	6.04	1.27	0.24									++	o
Mazda	2 / Demio	02-07	4.94	4.16	5.86	1.71	0.35									++	o
Mazda	2 / Demio	07-12	3.76	3.06	4.63	1.58	0.42									++	+
Nissan	Micra	95-97	7.09	5.83	8.62	2.80	0.39									++	x
Suzuki	Alto	85-00	11.07	8.88	13.81	4.93	0.45										xx
Suzuki	Ignis	00-02	6.78	5.46	8.43	2.97	0.44									++	x
Suzuki	Swift	05-10	4.14	3.66	4.68	1.03	0.25									++	o
Suzuki	Swift	11-12	8.93	5.32	14.98	9.66	1.08										
Toyota	Echo	99-05	5.03	4.66	5.44	0.78	0.16									++	x
Toyota	Starlet	96-99	6.39	5.84	6.99	1.16	0.18									++	xx
Toyota	Yaris / Vitz	05-11	3.45	3.06	3.89	0.83	0.24									++	+
Number of vehicles rated								**60**	**56**	**35**	**22**	**54**	**44**	**29**			

Electronic Stability Control Fitment qualifier

1	Outlander 2007=>, Peugeot - Only 2009 model available
2	2006 =>
3	2007 = >
4	2008 =>
5	As option/standard on 2011 variants, option/standard on 2010 variants. Not available prior to 2010.
6	Standard on some variants 2010 =>
7	2005 =>
8	2000 = >
9	IS300- Yes from 2001, IS200 - No
10	Standard on only some variants
11	Standard on some 2006, Standard 2007 =>
12	2003 >=
13	2009
14	2010=>
15	2006 =>
16	Standard/optional from 2006

APPENDIX 8

CRASHWORTHINESS, INJURY RISK AND INJURY SEVERITY ESTIMATES BY YEAR OF VEHICLE MANUFACTURE FOR THE AUSTRALIAN VEHICLE FLEET

INJURY RISK BY YEAR OF VEHICLE MANUFACTURE

Year of Manufacture	Coefficient of Car Year	Standard Error of Coefficient	Pr(Risk) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
AVERAGE	**-1.5252**		**17.87**			
1964	0.4318	0.0506	25.10	23.28	27.01	3.73
1965	0.5016	0.0536	26.43	24.44	28.53	4.08
1966	0.3644	0.0478	23.85	22.19	25.60	3.40
1967	0.4327	0.0382	25.12	23.73	26.55	2.82
1968	0.3921	0.0342	24.36	23.15	25.62	2.47
1969	0.3894	0.0306	24.31	23.22	25.43	2.21
1970	0.3840	0.0232	24.21	23.39	25.05	1.67
1971	0.3321	0.0209	23.27	22.55	24.01	1.46
1972	0.3559	0.0200	23.70	23.00	24.41	1.42
1973	0.3806	0.0182	24.15	23.50	24.81	1.31
1974	0.3340	0.0147	23.31	22.79	23.82	1.03
1975	0.2430	0.0146	21.72	21.24	22.21	0.97
1976	0.2341	0.0131	21.57	21.14	22.00	0.87
1977	0.1893	0.0134	20.82	20.39	21.26	0.87
1978	0.1699	0.0118	20.50	20.13	20.88	0.75
1979	0.1040	0.0109	19.45	19.12	19.78	0.67
1980	0.1456	0.0105	20.11	19.78	20.44	0.66
1981	0.1299	0.0099	19.86	19.55	20.17	0.62
1982	0.1234	0.0092	19.75	19.47	20.04	0.57
1983	0.1300	0.0094	19.86	19.57	20.15	0.59
1984	0.07400	0.0085	18.98	18.73	19.24	0.51
1985	0.0840	0.0079	19.14	18.90	19.38	0.48
1986	0.0228	0.0087	18.21	17.95	18.46	0.51
1987	0.0022	0.0091	17.90	17.64	18.17	0.52
1988	-0.0161	0.0083	17.64	17.40	17.87	0.47
1989	-0.0523	0.0077	17.12	16.90	17.33	0.43
1990	-0.0371	0.0076	17.33	17.12	17.55	0.43
1991	-0.0585	0.0082	17.03	16.80	17.26	0.45
1992	-0.0822	0.0080	16.70	16.48	16.92	0.44
1993	-0.1256	0.0080	16.10	15.89	16.31	0.42
1994	-0.1195	0.0077	16.18	15.98	16.39	0.41
1995	-0.1369	0.0077	15.95	15.75	16.15	0.40
1996	-0.1190	0.0079	16.19	15.98	16.40	0.42
1997	-0.1336	0.0077	15.99	15.79	16.20	0.41
1998	-0.1531	0.0075	15.73	15.54	15.93	0.39
1999	-0.1830	0.0081	15.34	15.14	15.55	0.41
2000	-0.2264	0.0084	14.79	14.58	14.99	0.42
2001	-0.2768	0.0091	14.16	13.95	14.38	0.43
2002	-0.2782	0.0093	14.14	13.93	14.37	0.44
2003	-0.3071	0.0094	13.80	13.58	14.02	0.44
2004	-0.3491	0.0100	13.30	13.08	13.53	0.45
2005	-0.3519	0.0103	13.27	13.04	13.51	0.46
2006	-0.3900	0.0113	12.84	12.59	13.09	0.50
2007	-0.4236	0.0122	12.47	12.21	12.73	0.52
2008	-0.4367	0.0140	12.33	12.03	12.63	0.59
2009	-0.4332	0.0171	12.36	12.01	12.73	0.73
2010	-0.4312	0.0196	12.39	11.98	12.81	0.83
2011	-0.4102	0.0272	12.62	12.04	13.22	1.18
2012	-0.4197	0.0505	12.51	11.47	13.64	2.17

INJURY SEVERITY BY YEAR OF VEHICLE MANUFACTURE

Year of Manufacture	Coefficient of Car Year	Standard Error of Coefficient	Pr(Severity) %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
AVERAGE	**-1.1439**		**24.16**			
1964	0.3263	0.0852	30.63	27.20	34.29	7.09
1965	0.0906	0.0975	25.86	22.37	29.69	7.32
1966	0.1984	0.0810	27.98	24.89	31.29	6.39
1967	0.2186	0.0654	28.39	25.86	31.06	5.21
1968	0.1775	0.0595	27.56	25.29	29.95	4.65
1969	0.4004	0.0505	32.22	30.10	34.42	4.32
1970	0.2916	0.0393	29.90	28.31	31.53	3.23
1971	0.2560	0.0363	29.15	27.71	30.65	2.94
1972	0.2713	0.0344	29.47	28.09	30.89	2.80
1973	0.2903	0.0312	29.87	28.60	31.16	2.56
1974	0.1794	0.0266	27.60	26.57	28.65	2.08
1975	0.2347	0.0259	28.72	27.69	29.77	2.08
1976	0.1490	0.0241	27.00	26.07	27.94	1.86
1977	0.1676	0.0248	27.36	26.41	28.34	1.93
1978	0.1258	0.0221	26.54	25.70	27.39	1.69
1979	0.1483	0.0205	26.98	26.20	27.78	1.58
1980	0.1048	0.0202	26.13	25.38	26.90	1.53
1981	0.1159	0.0192	26.35	25.62	27.08	1.46
1982	0.1361	0.0180	26.74	26.06	27.44	1.38
1983	0.0824	0.0186	25.70	25.01	26.41	1.39
1984	0.0899	0.0169	25.85	25.22	26.49	1.27
1985	0.0900	0.0160	25.85	25.25	26.45	1.20
1986	0.0834	0.0175	25.72	25.07	26.38	1.31
1987	0.0879	0.0184	25.81	25.12	26.50	1.38
1988	0.0865	0.0169	25.78	25.15	26.42	1.27
1989	0.0582	0.0162	25.24	24.65	25.85	1.20
1990	0.0353	0.0162	24.81	24.23	25.41	1.18
1991	0.0426	0.0176	24.95	24.31	25.60	1.29
1992	0.0012	0.0177	24.18	23.55	24.82	1.27
1993	0.0248	0.0176	24.62	23.98	25.26	1.28
1994	-0.0035	0.0171	24.10	23.49	24.71	1.23
1995	-0.0626	0.0173	23.03	22.44	23.64	1.20
1996	-0.0698	0.0179	22.91	22.29	23.53	1.24
1997	-0.0714	0.0176	22.88	22.27	23.49	1.22
1998	-0.1406	0.0179	21.68	21.09	22.28	1.19
1999	-0.1251	0.0189	21.94	21.32	22.58	1.27
2000	-0.1428	0.0198	21.64	20.99	22.31	1.32
2001	-0.1571	0.0207	21.40	20.73	22.09	1.36
2002	-0.1904	0.0217	20.85	20.15	21.56	1.40
2003	-0.2743	0.0225	19.49	18.81	20.20	1.38
2004	-0.2574	0.0238	19.76	19.03	20.51	1.48
2005	-0.2386	0.0245	20.06	19.30	20.84	1.54
2006	-0.3283	0.0279	18.66	17.85	19.51	1.66
2007	-0.2822	0.0303	19.37	18.46	20.32	1.86
2008	-0.3638	0.0359	18.13	17.11	19.20	2.09
2009	-0.3729	0.0472	17.99	16.67	19.40	2.73
2010	-0.4110	0.0562	17.44	15.91	19.08	3.17
2011	-0.5738	0.0871	15.22	13.14	17.55	4.41
2012	-0.4990	0.1666	16.21	12.25	21.14	8.90

CRASHWORTHINESS BY YEAR OF VEHICLE MANUFACTURE

Year of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 drivers involved	Overall rank order	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
AVERAGE	**17.87**	**24.16**	**4.32**				
1964	25.10	30.63	7.69	48	6.70	8.82	2.12
1965	26.43	25.86	6.84	43	5.82	8.03	2.22
1966	23.85	27.98	6.67	40	5.83	7.64	1.80
1967	25.12	28.39	7.13	45	6.40	7.94	1.54
1968	24.36	27.56	6.71	41	6.08	7.41	1.33
1969	24.31	32.22	7.83	49	7.22	8.49	1.27
1970	24.21	29.90	7.24	47	6.79	7.72	0.93
1971	23.27	29.15	6.78	42	6.39	7.20	0.81
1972	23.70	29.47	6.98	44	6.60	7.39	0.79
1973	24.15	29.87	7.21	46	6.86	7.59	0.73
1974	23.31	27.60	6.43	39	6.16	6.72	0.56
1975	21.72	28.72	6.24	38	5.98	6.51	0.53
1976	21.57	27.00	5.82	37	5.59	6.06	0.47
1977	20.82	27.36	5.70	36	5.47	5.94	0.47
1978	20.50	26.54	5.44	35	5.24	5.64	0.40
1979	19.45	26.98	5.25	32	5.07	5.43	0.36
1980	20.11	26.13	5.25	33	5.08	5.43	0.35
1981	19.86	26.35	5.23	31	5.07	5.40	0.33
1982	19.75	26.74	5.28	34	5.13	5.44	0.31
1983	19.86	25.70	5.10	30	4.95	5.26	0.32
1984	18.98	25.85	4.91	28	4.77	5.05	0.27
1985	19.14	25.85	4.95	29	4.82	5.08	0.26
1986	18.21	25.72	4.68	27	4.55	4.82	0.27
1987	17.90	25.81	4.62	26	4.48	4.76	0.28
1988	17.64	25.78	4.55	25	4.42	4.68	0.25
1989	17.12	25.24	4.32	24	4.21	4.44	0.23
1990	17.33	24.81	4.30	23	4.19	4.42	0.23
1991	17.03	24.95	4.25	22	4.13	4.37	0.25
1992	16.70	24.18	4.04	21	3.92	4.16	0.24
1993	16.10	24.62	3.96	20	3.85	4.08	0.23
1994	16.18	24.10	3.90	19	3.79	4.01	0.22
1995	15.95	23.03	3.67	17	3.57	3.78	0.21
1996	16.19	22.91	3.71	18	3.60	3.82	0.22
1997	15.99	22.88	3.66	16	3.55	3.77	0.22
1998	15.73	21.68	3.41	15	3.31	3.52	0.21
1999	15.34	21.94	3.37	14	3.26	3.48	0.21
2000	14.79	21.64	3.20	13	3.09	3.31	0.21
2001	14.16	21.40	3.03	12	2.93	3.14	0.21
2002	14.14	20.85	2.95	11	2.84	3.06	0.22
2003	13.80	19.49	2.69	10	2.59	2.80	0.21
2004	13.30	19.76	2.63	8	2.52	2.74	0.22
2005	13.27	20.06	2.66	9	2.55	2.78	0.22
2006	12.84	18.66	2.40	6	2.28	2.52	0.23
2007	12.47	19.37	2.42	7	2.29	2.54	0.25
2008	12.33	18.13	2.23	5	2.10	2.38	0.28
2009	12.36	17.99	2.22	4	2.05	2.41	0.36
2010	12.39	17.44	2.16	3	1.96	2.38	0.42
2011	12.62	15.22	1.92	1	1.65	2.24	0.59
2012	12.51	16.21	2.03	2	1.52	2.70	1.18

APPENDIX 9

CRASHWORTHINESS, INJURY RISK AND INJURY SEVERITY ESTIMATES BY YEAR OF VEHICLE MANUFACTURE AND MARKET GROUP FOR THE AUSTRALIAN VEHICLE FLEET

CRASHWORTHINESS BY YEAR OF VEHICLE MANUFACTURE AND MARKET GROUP

Year of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
Small Sports Utility Vehicles						
1982	32.86	16.07	5.28	4.37	6.38	2.02
1983	30.25	31.76	9.61	8.66	10.65	1.99
1984	29.55	28.34	8.37	7.82	8.97	1.15
1985	32.78	23.31	7.64	7.32	7.98	0.65
1986	30.38	21.66	6.58	5.80	7.46	1.67
1987	29.02	30.80	8.94	8.14	9.82	1.68
1988	26.48	21.56	5.71	5.26	6.19	0.93
1989	25.99	26.82	6.97	6.75	7.19	0.44
1990	23.89	25.11	6.00	5.83	6.18	0.35
1991	24.87	25.58	6.36	6.15	6.59	0.44
1992	24.25	24.99	6.06	5.84	6.29	0.45
1993	22.24	25.38	5.64	5.42	5.88	0.47
1994	20.56	23.73	4.88	4.65	5.12	0.47
1995	21.05	21.41	4.51	4.19	4.85	0.66
1996	21.44	24.02	5.15	4.84	5.48	0.64
1997	20.74	23.29	4.83	4.64	5.03	0.38
1998	18.75	24.06	4.51	4.29	4.75	0.46
1999	19.97	23.97	4.79	4.60	4.99	0.39
2000	19.41	23.25	4.51	4.25	4.80	0.55
2001	17.64	22.04	3.89	3.58	4.22	0.64
2002	18.76	22.79	4.28	4.15	4.40	0.25
2003	18.81	23.02	4.33	4.21	4.45	0.25
2004	17.30	26.25	4.54	4.43	4.66	0.23
2005	17.16	16.35	2.81	2.69	2.93	0.24
2006	15.87	20.03	3.18	3.00	3.36	0.36
2007	12.96	17.76	2.30	2.16	2.46	0.30
2008	12.30	19.10	2.35	2.11	2.62	0.51
2009	14.33	16.42	2.35	1.99	2.78	0.80
2010	14.33	19.22	2.75	2.28	3.33	1.05
2011	15.60	17.42	2.72	2.11	3.50	1.40
2012	24.35	19.50	4.75	2.91	7.75	4.84
Medium Sports Utility Vehicles						
1982	33.77	32.09	10.84	8.35	14.07	5.72
1983	21.48	34.33	7.37	6.06	8.97	2.91
1984	22.01	16.73	3.68	3.03	4.48	1.45
1985	22.47	31.86	7.16	6.74	7.60	0.85
1986	18.07	12.17	2.20	1.57	3.08	1.50
1987	19.93	34.88	6.95	6.04	7.99	1.95
1988	17.22	41.19	7.09	6.59	7.64	1.05
1989	18.92	18.42	3.48	3.24	3.74	0.50
1990	18.07	23.06	4.17	3.90	4.46	0.56

Year of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
1991	18.99	21.80	4.14	3.43	4.99	1.56
1992	15.02	22.48	3.38	3.22	3.54	0.32
1993	14.55	24.84	3.61	3.46	3.77	0.31
1994	14.22	25.72	3.66	3.52	3.80	0.28
1995	15.47	22.69	3.51	3.39	3.63	0.24
1996	15.40	22.30	3.43	3.34	3.53	0.20
1997	15.60	23.83	3.72	3.65	3.78	0.13
1998	16.38	22.02	3.61	3.56	3.66	0.10
1999	14.17	22.17	3.14	3.09	3.19	0.09
2000	14.83	19.80	2.94	2.89	2.98	0.10
2001	14.01	22.90	3.21	3.17	3.25	0.09
2002	14.69	18.87	2.77	2.73	2.81	0.08
2003	14.05	19.35	2.72	2.67	2.76	0.09
2004	14.05	20.98	2.95	2.90	2.99	0.09
2005	13.66	20.62	2.82	2.77	2.87	0.10
2006	12.64	19.88	2.51	2.46	2.56	0.10
2007	12.67	17.48	2.21	2.16	2.28	0.12
2008	13.07	16.53	2.16	2.08	2.25	0.17
2009	12.03	14.18	1.70	1.56	1.86	0.29
2010	11.37	16.52	1.88	1.73	2.04	0.31
2011	12.73	10.03	1.28	1.01	1.61	0.59
2012	16.57	13.23	2.19	1.15	4.18	3.03
Large Sports Utility Vehicles						
1982	18.42	26.07	4.80	4.63	4.98	0.35
1983	16.80	28.71	4.82	4.64	5.01	0.37
1984	15.60	26.99	4.21	4.10	4.33	0.23
1985	17.77	30.75	5.47	5.38	5.56	0.18
1986	14.13	26.42	3.73	3.58	3.89	0.31
1987	16.81	26.40	4.44	4.24	4.65	0.41
1988	14.81	31.10	4.60	4.51	4.70	0.19
1989	14.01	26.55	3.72	3.66	3.78	0.12
1990	13.50	22.18	2.99	2.94	3.05	0.11
1991	12.90	24.22	3.12	3.06	3.19	0.14
1992	13.35	25.48	3.40	3.34	3.46	0.12
1993	12.67	24.75	3.14	3.08	3.20	0.12
1994	13.01	25.62	3.33	3.27	3.39	0.12
1995	13.14	25.38	3.33	3.27	3.40	0.13
1996	13.66	24.95	3.41	3.35	3.47	0.12
1997	12.42	22.42	2.79	2.74	2.83	0.10
1998	12.96	22.16	2.87	2.83	2.91	0.09
1999	12.45	23.64	2.94	2.90	2.99	0.09
2000	11.61	25.66	2.98	2.93	3.03	0.10
2001	11.19	22.79	2.55	2.49	2.62	0.13
2002	11.25	18.45	2.08	2.02	2.13	0.11
2003	10.87	17.00	1.85	1.80	1.90	0.10
2004	10.53	19.25	2.03	1.99	2.06	0.07
2005	10.42	24.64	2.57	2.51	2.62	0.11
2006	11.32	18.60	2.10	2.06	2.15	0.10

Year of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
2007	11.18	17.02	1.90	1.84	1.97	0.13
2008	10.34	16.10	1.66	1.60	1.73	0.13
2009	10.76	26.11	2.81	2.63	3.00	0.37
2010	11.04	14.98	1.65	1.45	1.89	0.44
2011	9.33	13.96	1.30	0.89	1.91	1.02
Commercial - Utes						
1982	20.32	28.40	5.77	5.68	5.86	0.18
1983	18.34	28.85	5.29	5.19	5.39	0.20
1984	19.84	27.72	5.50	5.44	5.55	0.11
1985	21.96	28.40	6.24	6.19	6.29	0.10
1986	19.81	26.20	5.19	5.13	5.25	0.11
1987	19.74	23.69	4.68	4.60	4.76	0.16
1988	19.08	27.95	5.33	5.28	5.38	0.10
1989	18.65	24.64	4.59	4.56	4.63	0.06
1990	18.68	24.86	4.64	4.61	4.68	0.07
1991	17.23	26.31	4.53	4.50	4.57	0.08
1992	18.16	25.43	4.62	4.58	4.65	0.07
1993	17.18	27.88	4.79	4.76	4.82	0.07
1994	17.13	27.35	4.68	4.66	4.71	0.06
1995	16.42	24.31	3.99	3.96	4.02	0.06
1996	16.97	24.39	4.14	4.11	4.17	0.06
1997	17.08	24.29	4.15	4.12	4.18	0.06
1998	15.41	21.67	3.34	3.31	3.37	0.05
1999	15.87	23.53	3.73	3.71	3.76	0.06
2000	15.14	22.40	3.39	3.36	3.42	0.06
2001	14.36	22.63	3.25	3.22	3.28	0.05
2002	13.37	21.87	2.92	2.90	2.95	0.05
2003	13.21	20.47	2.70	2.68	2.73	0.04
2004	13.64	22.04	3.01	2.99	3.03	0.04
2005	13.59	21.40	2.91	2.88	2.94	0.05
2006	12.05	19.75	2.38	2.35	2.41	0.06
2007	12.44	18.77	2.33	2.30	2.36	0.06
2008	12.54	15.38	1.93	1.89	1.97	0.07
2009	12.48	20.80	2.59	2.51	2.68	0.16
2010	12.60	19.51	2.46	2.34	2.59	0.25
2011	13.10	17.15	2.25	1.98	2.55	0.58
2012	12.24	15.79	1.93	1.20	3.10	1.90
Commercial - Vans						
1982	26.68	28.77	7.68	7.44	7.92	0.48
1983	27.50	31.42	8.64	8.41	8.88	0.47
1984	25.53	27.66	7.06	6.90	7.23	0.33
1985	23.65	26.41	6.25	6.09	6.41	0.32
1986	23.62	24.09	5.69	5.53	5.86	0.32
1987	23.29	21.38	4.98	4.77	5.20	0.44
1988	23.26	32.78	7.63	7.45	7.80	0.35
1989	22.34	27.58	6.16	5.94	6.39	0.46

Year of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
1990	20.90	23.82	4.98	4.77	5.19	0.42
1991	17.79	30.88	5.49	5.24	5.76	0.53
1992	19.02	22.63	4.30	4.07	4.55	0.48
1993	17.75	28.25	5.01	4.76	5.28	0.52
1994	18.32	27.82	5.10	4.89	5.32	0.43
1995	18.66	26.40	4.93	4.76	5.09	0.33
1996	16.55	21.29	3.52	3.34	3.71	0.37
1997	17.41	28.64	4.98	4.79	5.19	0.40
1998	17.37	18.31	3.18	3.02	3.35	0.33
1999	16.05	21.27	3.41	3.27	3.57	0.30
2000	16.34	24.41	3.99	3.83	4.15	0.32
2001	15.39	20.73	3.19	3.02	3.37	0.35
2002	14.84	20.25	3.01	2.86	3.16	0.30
2003	12.56	19.09	2.40	2.27	2.53	0.26
2004	17.11	16.83	2.88	2.71	3.06	0.35
2005	13.00	24.88	3.23	3.06	3.42	0.36
2006	15.21	15.37	2.34	2.15	2.55	0.40
2007	15.43	22.96	3.54	3.31	3.79	0.48
2008	14.74	17.09	2.52	2.33	2.73	0.40
2009	9.16	27.67	2.53	2.19	2.93	0.73
2010	11.53	22.24	2.56	2.00	3.29	1.29
2011	19.69	11.39	2.24	1.14	4.41	3.27
Large Cars						
1982	20.12	28.39	5.71	5.70	5.73	0.03
1983	20.70	27.69	5.73	5.71	5.75	0.04
1984	20.26	26.59	5.39	5.38	5.40	0.03
1985	19.92	26.10	5.20	5.19	5.21	0.02
1986	19.68	26.20	5.16	5.15	5.17	0.02
1987	19.44	26.70	5.19	5.18	5.20	0.02
1988	18.73	26.81	5.02	5.01	5.03	0.02
1989	18.33	26.53	4.86	4.86	4.87	0.01
1990	19.04	26.00	4.95	4.94	4.96	0.01
1991	18.51	25.56	4.73	4.72	4.74	0.02
1992	18.05	24.06	4.34	4.34	4.35	0.01
1993	17.13	25.09	4.30	4.29	4.30	0.01
1994	17.36	24.71	4.29	4.28	4.29	0.01
1995	17.14	23.16	3.97	3.96	3.98	0.01
1996	17.38	23.12	4.02	4.01	4.02	0.01
1997	16.84	22.40	3.77	3.77	3.78	0.01
1998	16.51	21.28	3.51	3.51	3.52	0.01
1999	16.73	21.61	3.62	3.61	3.62	0.02
2000	16.31	21.05	3.43	3.42	3.44	0.02
2001	16.20	22.45	3.64	3.63	3.65	0.02
2002	15.97	22.08	3.53	3.52	3.54	0.02
2003	15.06	19.18	2.89	2.88	2.90	0.02
2004	14.57	18.14	2.64	2.63	2.66	0.03
2005	13.54	19.56	2.65	2.64	2.66	0.03
2006	14.09	19.15	2.70	2.67	2.72	0.05

Year of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
2007	13.19	18.50	2.44	2.41	2.47	0.06
2008	12.20	17.81	2.17	2.13	2.22	0.09
2009	12.71	15.28	1.94	1.87	2.02	0.16
2010	13.97	13.00	1.82	1.67	1.98	0.32
2011	13.84	11.76	1.63	1.30	2.03	0.73
Medium Cars						
1982	23.01	26.57	6.12	6.10	6.13	0.03
1983	22.30	24.81	5.53	5.52	5.55	0.03
1984	22.19	26.06	5.78	5.77	5.80	0.03
1985	22.37	25.22	5.64	5.63	5.66	0.03
1986	21.24	26.86	5.71	5.68	5.73	0.05
1987	21.09	24.92	5.26	5.23	5.28	0.05
1988	20.57	26.20	5.39	5.37	5.41	0.03
1989	20.42	26.31	5.37	5.36	5.38	0.02
1990	19.49	24.99	4.87	4.86	4.88	0.02
1991	20.10	25.31	5.09	5.07	5.10	0.03
1992	18.38	24.44	4.49	4.48	4.51	0.03
1993	17.53	24.54	4.30	4.29	4.32	0.03
1994	17.49	23.57	4.12	4.11	4.14	0.03
1995	17.14	22.05	3.78	3.76	3.80	0.04
1996	17.42	22.79	3.97	3.95	3.99	0.04
1997	16.66	22.04	3.67	3.65	3.69	0.04
1998	17.32	20.46	3.54	3.53	3.56	0.04
1999	16.15	21.63	3.49	3.47	3.51	0.04
2000	16.00	21.03	3.37	3.34	3.39	0.04
2001	16.30	19.99	3.26	3.24	3.28	0.05
2002	15.42	20.25	3.12	3.09	3.15	0.06
2003	15.55	18.34	2.85	2.83	2.88	0.05
2004	15.66	18.14	2.84	2.81	2.87	0.06
2005	15.79	16.48	2.60	2.57	2.63	0.06
2006	13.52	17.95	2.43	2.39	2.46	0.07
2007	14.68	18.75	2.75	2.71	2.80	0.09
2008	14.06	17.44	2.45	2.39	2.52	0.13
2009	13.08	17.00	2.22	2.11	2.34	0.24
2010	11.99	18.32	2.20	2.01	2.41	0.40
2011	13.80	18.61	2.57	2.17	3.04	0.87
People Movers						
1982	28.46	37.84	10.77	10.44	11.11	0.68
1983	26.30	27.82	7.32	7.19	7.45	0.26
1984	26.38	31.19	8.23	8.11	8.35	0.23
1985	26.58	28.31	7.52	7.40	7.66	0.26
1986	25.99	26.92	7.00	6.75	7.25	0.50
1987	22.98	22.22	5.11	4.69	5.56	0.88
1988	21.91	22.83	5.00	4.79	5.22	0.43
1989	22.96	33.18	7.62	7.48	7.75	0.27
1990	19.96	28.02	5.59	5.41	5.78	0.37

Year of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
1991	19.80	23.04	4.56	4.38	4.75	0.36
1992	19.67	19.25	3.79	3.62	3.96	0.33
1993	18.28	28.76	5.26	5.09	5.43	0.34
1994	17.75	26.08	4.63	4.45	4.82	0.37
1995	16.27	21.85	3.56	3.33	3.80	0.48
1996	16.16	18.05	2.92	2.67	3.19	0.52
1997	16.10	25.96	4.18	3.94	4.43	0.49
1998	16.27	18.01	2.93	2.70	3.18	0.47
1999	15.63	18.30	2.86	2.64	3.10	0.46
2000	13.79	28.83	3.98	3.77	4.19	0.43
2001	15.37	19.47	2.99	2.78	3.22	0.44
2002	13.77	17.75	2.44	2.22	2.69	0.48
2003	13.47	21.84	2.94	2.71	3.19	0.48
2004	12.59	21.61	2.72	2.52	2.94	0.42
2005	12.52	21.31	2.67	2.47	2.88	0.41
2006	13.51	24.26	3.28	2.95	3.64	0.70
2007	12.58	18.65	2.35	2.05	2.69	0.64
2008	11.96	17.10	2.05	1.42	2.94	1.51
Small Cars						
1982	25.55	27.83	7.11	7.09	7.13	0.03
1983	26.24	26.32	6.91	6.89	6.92	0.04
1984	24.78	26.12	6.47	6.46	6.49	0.03
1985	25.55	26.74	6.83	6.81	6.85	0.03
1986	24.26	25.66	6.22	6.21	6.24	0.03
1987	24.19	27.08	6.55	6.53	6.57	0.04
1988	23.69	26.86	6.36	6.35	6.38	0.03
1989	22.62	26.87	6.08	6.07	6.09	0.03
1990	22.12	26.21	5.80	5.79	5.81	0.02
1991	21.98	25.37	5.58	5.57	5.59	0.02
1992	21.76	24.96	5.43	5.42	5.44	0.02
1993	21.43	25.03	5.36	5.35	5.37	0.02
1994	21.63	23.46	5.07	5.06	5.08	0.02
1995	20.93	25.22	5.28	5.27	5.29	0.02
1996	21.54	23.68	5.10	5.09	5.11	0.02
1997	21.19	24.82	5.26	5.25	5.27	0.02
1998	21.03	23.72	4.99	4.98	5.00	0.02
1999	20.32	23.95	4.87	4.86	4.88	0.02
2000	19.28	23.28	4.49	4.48	4.50	0.02
2001	18.22	21.83	3.98	3.97	3.99	0.02
2002	18.79	21.31	4.00	3.99	4.01	0.02
2003	18.42	20.45	3.77	3.76	3.78	0.02
2004	17.40	20.16	3.51	3.49	3.52	0.03
2005	17.72	21.30	3.77	3.76	3.79	0.03
2006	16.40	17.98	2.95	2.93	2.96	0.03
2007	15.67	20.84	3.27	3.25	3.29	0.04
2008	15.64	20.42	3.19	3.17	3.22	0.05
2009	15.56	19.09	2.97	2.93	3.02	0.09
2010	15.73	18.08	2.84	2.77	2.92	0.15

Year of Manufacture	Pr(Risk) %	Pr(Severity) %	Serious injury rate per 100 drivers involved %	Lower 95% Confidence Limit	Upper 95% Confidence Limit	Width of Confidence Interval
2011	15.73	16.02	2.52	2.38	2.67	0.30
2012	17.69	18.38	3.25	2.73	3.87	1.14
Light Cars						
1982	30.02	30.70	9.22	9.09	9.35	0.27
1983	31.41	24.69	7.75	7.66	7.85	0.19
1984	28.03	24.50	6.87	6.80	6.94	0.14
1985	29.40	30.77	9.04	9.00	9.09	0.10
1986	28.27	30.01	8.48	8.41	8.56	0.15
1987	28.05	32.08	9.00	8.91	9.09	0.18
1988	28.54	23.92	6.82	6.74	6.91	0.17
1989	25.80	26.40	6.81	6.77	6.86	0.09
1990	27.10	28.41	7.70	7.65	7.75	0.09
1991	25.83	27.67	7.15	7.11	7.18	0.07
1992	26.14	28.09	7.34	7.31	7.37	0.06
1993	25.77	28.47	7.34	7.31	7.37	0.06
1994	25.07	25.97	6.51	6.48	6.54	0.06
1995	24.68	25.18	6.21	6.19	6.24	0.04
1996	24.63	24.17	5.95	5.92	5.98	0.06
1997	23.74	26.40	6.27	6.24	6.29	0.05
1998	23.61	24.73	5.84	5.81	5.86	0.05
1999	23.49	24.24	5.69	5.66	5.73	0.07
2000	22.93	23.08	5.29	5.25	5.34	0.08
2001	20.07	23.40	4.70	4.64	4.75	0.12
2002	20.13	23.67	4.76	4.71	4.82	0.11
2003	20.74	23.45	4.86	4.83	4.90	0.07
2004	19.05	22.38	4.26	4.23	4.30	0.07
2005	19.25	23.63	4.55	4.52	4.58	0.06
2006	18.32	21.95	4.02	3.99	4.05	0.06
2007	18.07	21.34	3.86	3.82	3.89	0.07
2008	18.19	19.97	3.63	3.59	3.68	0.09
2009	18.17	18.44	3.35	3.28	3.42	0.13
2010	19.51	22.10	4.31	4.21	4.42	0.21
2011	21.52	17.35	3.73	3.46	4.03	0.57
2012	18.10	25.36	4.59	3.58	5.88	2.30