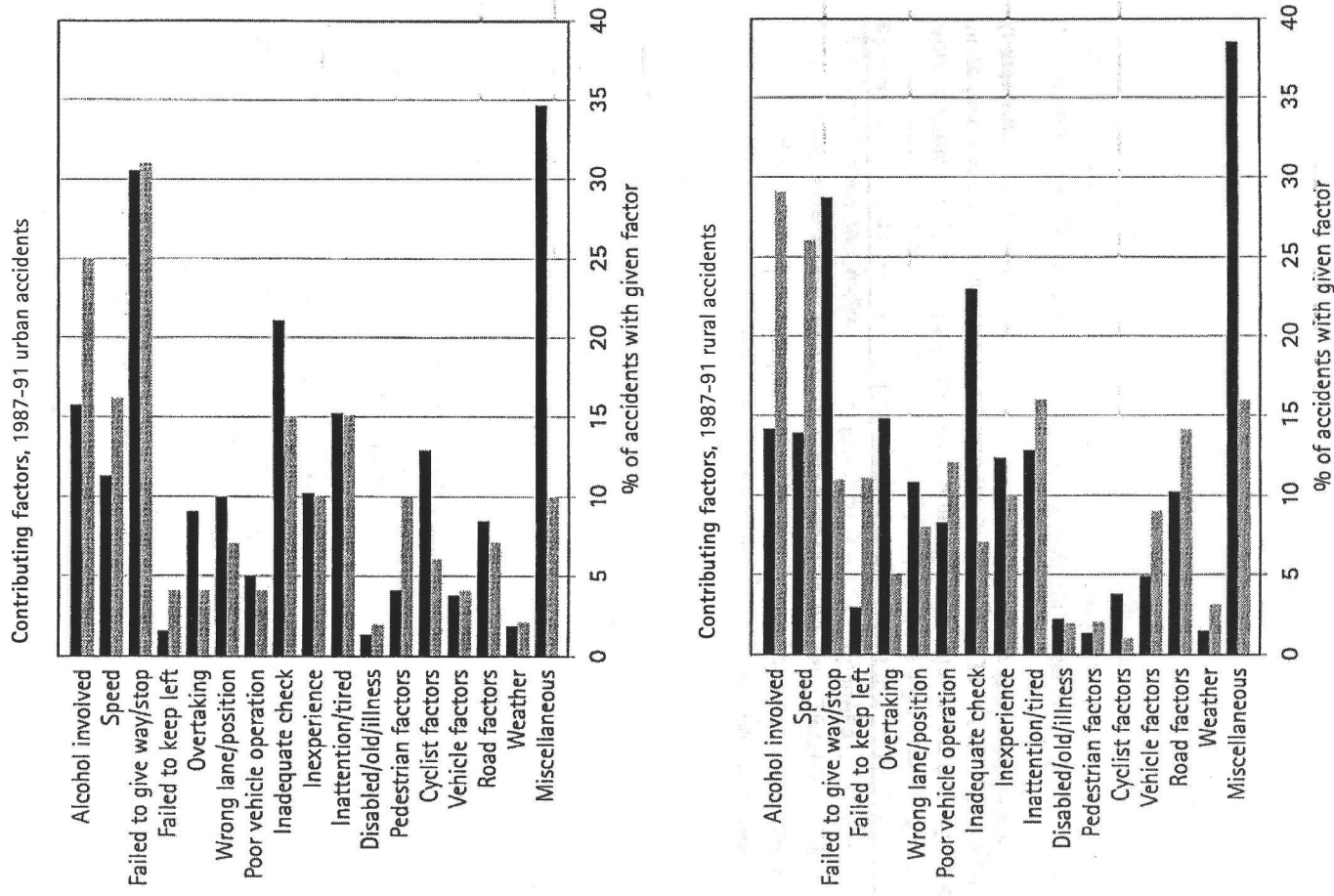


4. Contributing factors

The following figures summarise the types of factors considered to have contributed to the 1987-91 injury accidents with junction type = D for urban and rural areas separately.

They also show the comparison with all injury accidents for New Zealand for the 1987-91 period.

Figure 6:



5. Developments served

Special codes in the accident database indicate the type of development vehicles were entering or leaving for accidents with junction type = D. These were revised and added to in 1991. As stated, these codes have been back entered for data back to 1988 for the Ministry of Transport's southern region.

The following table shows the development indicated by these codes for the national 1991 data and for the southern regions 1988-91 data.

The table shows over half of the accidents at driveways are at private house/farm driveways and about a quarter at other commercial activity, other than those specifically listed.

Table 3: Injury accidents with special codes

Code	Development vehicle entering or leaving	1991 national				1988-91 southern region			
		Urban Number	%	Rural Number	%	Urban Number	%	Rural Number	%
961	Roadside stall	7	1.1	21	11.2	3	0.5	12	10.0
962	Service station	50	7.7	16	8.6	54	8.9	2	1.7
963	Liquor outlet	20	3.1	3	1.6	24	3.9	4	3.3
964	Takeaway foods	9	1.4	0	0	3	0.5	0	0
971	Shopping complex	35	5.4	0	0	56	9.2	0	0
974	Car parking building	14	2.2	0	0	4	0.7	0	0
975	Other commercial activity	178	27.4	39	20.3	148	24.3	23	19.2
976	Industrial site	6	0.9	4	2.1	25	4.1	7	5.8
977	Private house/farm	331	50.9	105	56.1	292	48.0	72	60.0
	Total	650	100	187	100	609	100	120	100
	Number of accidents with junction = D	818		233		626		124	

Road and Traffic Guideline publications

The following Road and Traffic Guidelines are available:

- RTS 1 Guidelines for the implementation of traffic control at crossroads (1990)
- RTS 2 Guidelines for street name signs (1990)
- RTS 3 Guidelines for establishing rural selling places (1992)
- RTS 4 Guidelines for flush medians (1991)
- RTS 5 Guidelines for rural road marking and delineation (1992)
- RTS 6 Guidelines for visibility at driveways (1993)
- RTS 7 Advertising signs and road safety: design and location guidelines (1993)
- RTS 8 Guidelines for safe kerblines protection (1993)
- RTS 9 Guidelines for the signing and layout of slip lanes (1994)
- RTS 11 Urban roadside barriers and alternative treatments (1995)
- RTS 13 Guidelines for service stations (1995)
- RTS 14 Guidelines for installing pedestrian facilities for people with visual impairment (1997)
- RTS 17 Guidelines for setting speed limits (1995)

The Guidelines may be purchased from:

Land Transport Safety Authority, Head Office (PO Box 2840, Wellington) or Regional Offices in:
Auckland, (Private Bag 106 602), Wellington (PO Box 27 249) and Christchurch (PO Box 13 364).