

land transport road

crashes comparison of all territorial authorities





Information for year ended December 2009

Purpose of this publication

New Zealand Transport Agency (NZTA) annually publishes comparative information on the safety of New Zealand roads. The information in this publication has been collected through the Crash Analysis System (CAS) which is an integrated system providing tools to analyse crash data and related data. It has a mapping capability integrated with a querying and reporting capability.

The information held within CAS includes precise location, which allows the importance of location to be determined (for example, in "black-spot" analysis) and also allows a comparison between local authorities.

Data/Graphs

Because of the volume of information data and graphs have been published in separate documents, both available from the same website.

Enquiries and Feedback

We are keen to receive your feedback and happy to deal with any enquiries regarding the data.

In the first instance we recommend that you contact the following road safety and CAS experts at your nearest NZTA office:

Auckland Chris Hewitt 09 969 9801

Hamilton Andrew McKillop 07 958 7856

Wellington James King 04 931 8917

Christchurch Geoff Holland 03 964 2845

Alternatively, please contact the Performance Measurement team at NZTA's national office in Wellington; ph 04 894 5400, or email <u>data@nzta.govt.nz</u>

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Glossary

Term	Definition
Casualty	A person who is injured as the result of a crash (includes fatality)
Ethnic origin	Ethnic origins used are Asia, Europe, NZ Maori, Pacific Island and 'other'
Factor groups	Crash causing factors are classed as; driver error, alcohol, speed, vehicle factors, road factors, weather and other road users
Fatal crash	Crash that results in a death
Licence type	Refers to the class of licence held by each driver involved in a crash. Licence classes can be categorised as; full, endorsed (restricted, learner, overseas) and unendorsed (forbidden, disqualified, expired, never licenced, unknown, wrong class)
Minor crash	Crash resulting in a minor injury (which may or may not result in hospitalisation)
Mode	Categorisation of persons/vehicles involved in a crash. Categories used are; car/van drivers, car/van passengers, heavy vehicles, motor cyclists, cyclists, pedestrians and others
Movement group	The cause of crashes are categorised as; crossing/turning, rear end/ obstruction, pedestrian vs vehicle, loss of control on bend, loss of control on straight, over taking and miscellaneous
Peer group	NZTA developed groups for the purpose of comparing road safety performance within territorial authority boundaries. They are:
Peer group A	Major urban areas with some rural areas on the outskirts. (Population > 97,500 and/or rural crashes less than 30 percent)
Peer group B	Major urban areas with some rural areas on the outskirts. (Population 40,000-97,500 and/or rural crashes less than 35 per- cent)
Peer group C	Large provincial towns and hinterland. (Population 35,000-75,000 and/or rural crashes less than 55 percent)
Peer group D	Provincial towns and hinterland. (Population 20,000-75,000 and/or rural crashes greater than 55 percent)
Peer group E	Small provincial towns, low traffic volumes. (Population less than 20,000 and/or rural crashes greater than 55 percent)
Road surface	Surface of road at location of crash - either sealed or unsealed
Road type	Type of road at location of crash - either urban or rural
Rural	Rural is defined as an area with a speed limit of more than 70km/h
Serious crash	Crash which results in serious injury (which typically results in hospi- talisation)
Severity	The nature of injury resulting from a crash may be categorised as minor, serious or fatal
Urban	Urban is defined as an area with a speed limit up to 70km/h

Crashes by severity and road type

				2005			2006			2007			2008			2009	
Territorial	Peer	Road															
authority	group	type	Minor	Serious	Fatal	Minor	Serious	Fatal	Minor	Serious	Fatal	Minor	Serious	Fatal	Minor	Serious	Fatal
Auckland City	A	Rural	235	23	1	215	17	4	227	13	2	225	15	2	199	20	1
		Urban	829	125	10	806	121	12	788	112	З	801	126	5	786	117	8
Christchurch	A	Rural	73	29	3	60	20	1	65	24	1	59	23	6	59	23	6
City		Urban	567	131	11	717	139	9	787	181	11	761	179	10	677	142	5
Dunedin City	A	Rural	92	34	2	78	34	3	94	22	З	88	30	0	66	33	2
		Urban	324	86	1	288	75	4	325	62	1	305	59	4	299	70	0
Hamilton City	A	Rural	19	4	1	21	6	2	36	7	0	27	7	0	28	10	0
		Urban	212	32	9	233	29	4	281	38	6	286	50	1	237	42	2
Hutt City	A	Rural	28	9	1	32	8	1	50	10	2	46	14	1	40	6	1
	A .	Urban	89	15	3	110	28	4	186	35	0	177	26	2	147	17	0
Manukau City	А	Rural	115	20	5	127	22	7	132	14	5	110	13	8	122	24	2
	A	Urban	359	50	11	454	98	8	471	72	9	458	83	7	458	82	11
North Shore	0	Rural	77	2	0	80	6	0	79	10	0	77	2	0	90	8	2
City	A	Urban	318	61	3	333	50	6	320	34	4	303	31	3	278	40	4
Tauranga	0	Rural	17	2	2	12	10	1	16	6	2	24	3	0	22	6	0
District	A	Urban	114	35	2	109	35	2	115	36	2	106	33	3	125	30	1
Waitakere City		Rural	62	6	3	51	11	0	55	7	1	66	10	1	55	3	8
-	A	Urban	271	42	3	279	56	7	300	42	4	336	32	2	342	33	7
Wellington City		Rural	44	5	1	63	5	0	69	12	1	64	10	2	61	9	0
	A	Urban	283	49	3	290	58	7	361	77	1	402	78	3	315	44	3
Invercargill City		Rural	34	11	0		13	2	22	10	3	18	4	0		4	
	В	Urban	130	36	0		52	0	143	30	1	150	18	3		23	6
Napier City		Rural	18	7	2		8	5	19	7	3	31	7	0			
	В	Urban	92	13	1	84	24	- 1	114	23	0	91	23	0		18	
Nelson District		Rural	18	2	2		6	2	10	6	0	15	7	0		6	
incoon bioarce	В	Urban	71	12	0		17	0	78	12	1	71	16	1	69	19	· ·
Palmerston		Rural	31	9	1		11	1	10	5	1	16	12	5		9	
North City	В	Urban	113	28	0		21	2	124	37	5	105	25	- 3		25	
Papakura		Rural	46	5	3		6	4	44	7	2	43	5	2		8	
District	В	Urban	59	8	1	64	12	3	81	7	1	63	14	0		11	
Gisborne		Rural	38	21	. 3		10	3	33	17	5	48	15	6	<u> </u>	13	-
District	C	Urban	56	11	1		11	1	47	11	1	77	10	1	52	7	
Hastings		Rural	114	33	14		39	. 9	104	30	11	82	31	4		27	
District	C	Urban	116	15	4		21	0	112	13	4	87	17	3	<u> </u>		
Kapiti Coast		Rural	30	13	3		14	4	23	10	2	26	11	1	15		
District	C	Urban	35	15	1		11	0	52		1	37	7	0		7	
New Plymouth		Rural	62	11	3		19	6	78	18	3	69	23	3			
District	C	Urban	92	12	1		11	1	105	22	4	102	18	1	105		
Porirua City		Rural	23	7	2		3	1	25	3	4	102	5	0		10	
roniua city	C		23 58							د 13	-				<u> </u>		
Potomin		Urban		15 20	0		14 21	2	63 5°	26	0	53 61	15	4	<u> </u>	9	
Rotorua	C	Rural	50 78	20	4		21	7	58 71	26	4	80	16 18	2		20	
District Timory District		Urban	/8 23			80 32		2			-	80 32		4		20	
Timaru District	C	Rural	23 42	14 5	1	32 51	11	3	33 52	14	5	43	4	3	23	7	-
المعرفين المعرفين		Urban	42	9	1		8	0	32	10	1	43					
Upper Hutt City	C	Rural			1			3		14			9	0			
141-11-11-1		Urban	28	11	1		5	0	37	6	0	31	11	3		6	
Wanganui	C	Rural	19	9	2		12	4	23	7	2	21	5	1	20		2
District		Urban	59	13	1	34	12	1	48	10	3	60	13	0		11	2
Whangarei	c	Rural	80	28	5		27	10	75	25	10	89	23	15	<u> </u>		
District		Urban	99	14	1	65	13	2	77	11	1	84	18	0	100	9	4

Crashes by severity and road type (cont.) Peer groups D & E

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Urban 60 16 3 69 19 5 70 16 3 63 17 2 76	12 4
Selwyn District D Rural 50 18 8 55 14 4 55 23 14 66 22 4 71	26 5
Urban 4 1 1 6 4 0 6 3 0 14 2 0 6	1 (
South Taranaki D Rural 43 13 1 35 9 3 43 14 2 36 14 2 29	9 ;
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South Waikato Rural 39 14 6 39 10 6 35 15 5 28 19 7 33	19 3
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District D Urban 16 3 0 11 8 0 10 9 0 14 4 0 15	5 (
Tasman District Rural 57 23 3 46 25 4 71 24 4 78 30 8 63	15 3
D Urban 22 5 0 28 5 1 30 8 1 22 2 0 22	5
Tauno District Rural 58 21 5 72 16 4 69 22 15 56 21 12 67	33 1
D Urban 34 6 3 44 5 0 35 5 4 32 10 2 40	9 (
Thames- Rural 36 10 3 35 14 5 46 13 1 36 11 2 35	6 :
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Waikato Rural 127 26 14 104 46 12 138 40 12 113 33 6 119	29 1
District D Urban 24 3 1 31 5 0 19 9 3 31 6 1 33	9
Waimakariri Rural 50 16 2 46 19 1 43 13 3 37 11 2 32	20 :
District D Urban 20 5 0 15 0 0 21 5 0 26 4 1 23	4 (
Waina District Rural 66 22 6 67 17 4 60 13 1 59 16 6 54	20 5
D Urban 23 7 1 37 5 3 40 5 1 37 9 1 41	5
Waitaki District Rural 44 13 2 45 18 3 42 10 2 35 13 4 36	12
D Urban 30 9 0 26 4 0 33 8 0 31 9 0 29	7
Western BoP Rural 45 19 4 63 25 8 84 38 6 55 28 6 76	30 3
District D Urban 14 3 1 8 5 0 14 7 0 15 10 0 13	8 (
Whakatane Rural 34 22 5 37 13 5 42 24 6 43 18 5 39	8 5
District D Urban 21 2 2 16 6 2 20 3 3 24 7 1 23	9
Buller District Rural 14 8 1 20 9 1 28 17 1 19 8 2 22	7
E Urban 8 1 0 7 4 0 7 1 1 8 1 0 5	2 (

Crashes by severity and road type (cont.) Peer groups D & E

				2005			2006			2007			2008			2009	
Territorial	Peer	Road															
authority	group	type	Minor	Serious		Minor	Serious	Fatal	Minor				Serious				
Carterton	E	Rural	11	5	2	6	2	1	14	9	2	8	3	0	9	5	0
District		Urban	4	1	0	5	0	0	9	2	0	6	1	0	3	0	1
Central Hawkes	E	Rural	20	11	3	16	9	4	13	9	2	13	16	0	21	5	<u> </u>
Bay District		Urban	8 38	3 26	0	1	6 21	0	10	1	0	2 40	3	0	9 33	0	0
Central Otago District	E	Rural Urban	13	20	د 0	12	5		43 14	11	5	40	3	5	14	0	
Chatham		Rural	3	1	0	4	2	0	2	2	0	3	0	1	14	2	-
Island	E	Urban									_						
			0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
Clutha District	E	Rural	73	24	2	75	25	3	65	23	4	53	12	3	59	11	1
		Urban	10	5	0	13	4	0	12	3	0	10	3	0	6	6	1
Gore District	E	Rural	13	9	0	16	7	2	18	4	1	19	4	2	16	5	2
	-	Urban	16	6	0	17	0	0	6	1	1	12	5	2	10	5	0
Grey District	E	Rural	13	8	3	16	2	2	17	4	0	15	3	4	23	12	2
	-	Urban	10	1	0	15	1	0	14	2	0	20	2	0	13	2	1
Hauraki District	E	Rural	40	21	8	46	12	3	49	8	7	43	11	6	37	12	4
	_	Urban	9	3	0	8	0	0	15	2	2	11	4	1	16	2	0
Hurunui	E	Rural	37	17	6	37	21	5	57	13	5	36	21	2	35	18	4
District		Urban	1	2	0	3	1	0	5	3	0	4	3	0	-	0	0
Kaikoura	E	Rural	4	8	1	17	4	1	20	6	0	11	5	2	9	9	1
District		Urban	0	0	0	2	1	0	3	0	0	2	0	0	5	1	0
Kaipara District	E	Rural	52	20	4	60	16	4	64	13	3	41	20	4	56	12	4
		Urban	10	0	1	11	0	1	15	6	1	11	5	0	12	4	0
Kawerau	E	Rural	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0
District		Urban	2	0	0	3	2	0	2	2	0	1	1	1	6	1	0
MacKenzie	E	Rural	9	5	2	20	0	1	15	5	1	14	2	3	19	7	0
District		Urban	2	2	0	4	1	1	2	0	0	2	1	0	3	1	0
Opotiki District	E	Rural	7	5	4	9	7	1	14	3	2	12	8	4	13	11	3
		Urban	3	3	0	5	1	1	6	0	1	12	0	0	8	2	3
Otorohanga	Е	Rural	23	5	2	34	9	2	19	7	2	27	11	0	14	3	2
District	-	Urban	5	2	0	8	1	1	9	2	0	6	2	0	2	1	0
Queenstown-	E	Rural	60	25	2	57	9	0	63	13	3	47	12	3	50	17	2
Lakes District	-	Urban	31	11	0	36	7	0	37	12	1	24	11	0	30	9	0
Rangitikei	E	Rural	26	20	3	37	13	3	39	12	4	37	12	3	26	10	2
District	-	Urban	6	2		4	0	0	5	0	1	5	2	0		0	1
Ruapehu	E	Rural	22	15	3	31	11	2	40	10	4	35	8	3		12	3
District	_	Urban	2	2	0	7	3	0	12	1	0	10	1	0		2	
South	E	Rural	15	5		14	7	2	26	5	3	19	6	2		8	
Wairarapa	_	Urban	6	0		5	1	0	3	1	0	5	0	0	_	2	
Stratford	E	Rural	8	2	2	17	6	1	20	8	1	19	5	1	16	4	<u> </u>
District		Urban	2	1	0	5	0	0	7	1	0	7	2	0	7	1	0
Tararua District	E	Rural	29	18	3		16	2	40	14	5	37	17	3		15	
w_:+		Urban	11	2	0	11	2	1	8	1	1	11	2	0		3	
Waimate	E	Rural	5	7	2	10	2	0	22	6	2	10	7	3	10	5	
District Wairea District		Urban	3	2		2	0	0	4	2	0	3	1	0	3	0	
Wairoa District	E	Rural	21 6	14	2	9	5	2	23 9	9	4	18 5	6	4		12	5
Waitomo		Urban	ь 37	14	5	33	16	-	47	11	2	34			8	4	
Waltomo District	E	Rural Urban	13	2	5	- 33 6	0	5	47	0	د 0		6 0	2			
Westland		Orban Rural	25	11	2	23	15	1	15	7	4	28	10	1	35	12	
	E	Urban	25	0		5		0		1	4	20	2	0		0	
District		orbah	2	U U	U U	5		1 0	4	1	U U		2	U	4	L 0	1

Crashes by road surface on rural roads

		20	05	20	06	20	07	20	08	20	109
Territorial authority	Peer group	Sealed	Unsealed	Sealed	Unsealec	Sealed	Unsealec	Sealed	Unsealec	Sealed	Unsealed
Auckland City	А	256	3	236	0	242	0	241	1	219	1
Christchurch City	А	99	6	81	0	87	3	88	0	86	2
Dunedin City	А	120	8	102	13	107	12	107	11	91	10
Hamilton City	А	24	0	29	0	43	0	34	0	38	0
Hutt City	A	38	0	41	0	62	0	60	1	47	0
Manukau City	А	137	3	153	3	150	1	131	0	148	0
North Shore City	А	78	1	86	0	89	0	79	0	100	0
Tauranga District	А	21	0	23	0	24	0	27	0	28	0
Waitakere City	А	71	0	62	0	63	0	77	0	65	1
Wellington City	А	50	0	67	1	81	1	76	0	70	0
Invercargill City	В	45	0	36	4	32	3	19	3	27	1
Napier City	В	27	0	27	0	29	0	38	0	27	0
Nelson District	В	21	1	21	1	14	2	22	0	14	2
Palmerston North City	В	40	1	36	1	16	0	33	0	23	3
Papakura District	В	54	0	44	0	53	0	50	0	45	0
Gisborne District	С	55	7	53	3	49	6	63	6	44	4
Hastings District	C	161	0	165	1	139	6	114	3	115	3
Kapiti Coast District	с	44	2	50	0	35	0	37	1	25	0
New Plymouth District	с	73	3	91	1	97	2	95	0	67	1
Porirua City	C	32	0	27	0	29	0	15	0	34	0
Rotorua District	C	73	1	71	2	84	4	75	4	62	4
Timaru District	С	32	6	41	5	47	5	32	7	40	3
Upper Hutt City	С	32	0	36	0	46	0	41	0	26	1
Wanganui District	С	29	1	20	5	30	2	26	1	24	0
Whangarei District	С	107	6	120	10	106	4	122	5	84	7

Crashes by road surface on rural roads (cont.) Peer groups D & E

		20	05	20	06	20	07	20	08	20	109
Territorial authority	Peer group	Sealed	Unsealec	Sealed	Unsealed	Sealed	Unsealed	Sealed	Unsealed	Sealed	Unsealed
Ashburton District	D	21	2	26	2	36	5	37	2	35	4
Far North District	D	122	29	169	23	187	33	126	34	123	16
Franklin District	D	138	3	158	3	151	3	143	8	147	2
Horowhenua	D	55	0	60	1	58	0	65	2	44	3
District			Ŭ	00	'	50		05	2	44	ر ا
Manawatu District	D	62	3	70	4	79	0	78	6	55	2
Marlborough	D	60	4	75	1	73	4	64	5	62	4
District					·	<i></i>	т т	04			
Masterton District	D	24	2	32	2	20	1	20	1	24	1
Matamata-Piako	D	67	1	78	0	81	2	94	4	73	2
District				,0	Ů				- T		-
Rodney District	D	146	15	171	5	188	15	207	14	178	12
Selwyn District	D	74	2	71	2	86	6	85	7	94	8
South Taranaki	D	57	0	45	2	57	2	52	0	45	0
District					-			52			
South Waikato	D	56	3	50	5	55	0	52	2	59	0
District								52			
Southland District	D	140	26	140	18	144	16	1 25	21	111	17
Tasman District	D	79	4	72	3	95	4	114	2	79	2
Taupo District	D	82	2	89	3	103	3	84	5	106	5
Thames-											
Coromandel	D	46	3	49	5	59	1	47	2	41	3
District											
Waikato District	D	159	8	155	7	182	8	147	5	152	8
Waimakariri District	D	66	2	58	8	49	10	42	8	51	4
Waipa District	D	92	2	85	3	74	0	81	0	78	1
Waitaki District	D	54	5	58	8	50	4	49	3	46	4
Western BoP	D	64	4	93	3	126	2	86	3	112	1
Whakatane District	D	60	1	49	6	69	3	61	5	47	5
Buller District	E	22	1	30	0	43	3	27	2	31	0
Carterton District	E	18	0	9	0	21	4	10	1	11	3
Central Hawkes Bay	_				_				_		
District	E	34	0	27	2	23	1	26	3	26	1
Central Otago	_										
District	E	61	6	50	8	48	11	50	6	42	4
Chatham Island	E	0	4	1	5	0	4	1	3	0	3
Clutha District	E	87	12	82	21	75	17	54	14	56	15
Gore District	E	21	1	21	4	20	3	24	1	20	3
Grey District	E	22	2	20	0	21	0	22	0	35	2
Hauraki District	E	67	2	61	0	62	2	58	2	48	5
Hurunui District	E	57	3	61	2	72	3	56	3	56	1
Kaikoura District	E	12	1	22	0	25	1	18	0	17	2
Kaipara District	E	55	21	65	15	62	18	55	10	58	14

Crashes by road surface on rural roads (cont.) Peer groups D & E

		20	105	20	106	20	107	20	08	20	09
Territorial authority	Peer group	Sealed	Unsealec	Sealed	Unsealed	Sealed	Unsealed	Sealed	Unsealec	Sealed	Unsealed
Kawerau District	E	1	0	1	0	1	0	1	0	0	0
MacKenzie District	E	11	5	17	4	20	1	14	5	24	2
Opotiki District	E	15	1	16	1	18	1	23	1	27	0
Otorohanga District	E	30	0	44	1	26	2	33	5	18	1
Queenstown-Lakes District	E	77	10	58	8	69	10	56	6	57	12
Rangitikei District	E	45	4	51	2	51	4	49	3	35	3
Ruapehu District	E	36	4	41	3	49	5	41	5	34	2
South Wairarapa District	E	20	0	22	1	32	2	26	1	30	0
Stratford District	E	12	0	24	0	26	3	23	2	22	2
Tararua District	E	49	1	47	3	55	4	52	5	47	3
Waimate District	E	12	2	11	1	28	2	19	1	15	1
Wairoa District	E	34	3	21	3	31	5	22	6	31	3
Waitomo District	E	54	2	52	2	55	6	40	2	40	3
Westland District	E	37	1	38	1	25	1	37	2	43	4

Crashes by month (2005-2009 inclusive) Peer groups A, B & C

Territorial authority	Peer group	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Auckland City	Α	391	437	499	538	587	482	517	509	423	490	490	486	5849
Christchurch City	Α	320	402	451	410	450	401	393	391	375	415	412	359	4779
Dunedin City	Α	178	221	257	207	231	220	218	196	174	186	186	210	2484
Hamilton City	Α	102	142	143	141	176	140	145	158	115	117	125	126	1630
Hutt City	Α	58	94	97	87	95	92	96	102	89	90	91	97	1088
Manukau City	Α	224	227	293	277	318	299	283	273	286	286	292	299	3357
North Shore City	Α	135	165	211	199	208	186	203	202	167	180	200	165	2221
Tauranga District	Α	70	65	78	85	70	89	57	75	68	64	67	83	871
Waitakere City	Α	138	181	196	159	182	201	176	177	159	160	174	192	2095
Wellington City	Α	168	193	244	167	211	231	208	203	175	175	167	178	2320
Invercargill City	В	72	105	103	101	102	118	84	84	63	74	79	74	1059
Napier City	В	62	58	70	53	83	66	57	55	66	82	62	56	770
Nelson District	В	40	45	49	40	47	41	38	43	49	50	58	43	543
Palmerston North City	В	68	72	88	69	81	66	73	78	77	63	78	65	878
Papakura District	В	48	50	57	61	51	51	58	50	44	48	67	37	622
Gisborne District	С	48	48	52	54	56	51	56	55	38	59	50	57	624
Hastings District	С	109	111	135	112	124	96	122	113	84	101	110	115	1332
Kapiti Coast District	С	44	43	38	34	36	34	32	29	22	41	54	34	441
New Plymouth District	С	82	80	100	83	101	99	96	86	62	78	77	90	1034
Porirua City	С	26	44	38	52	41	40	37	38	44	48	46	49	503
Rotorua District	С	63	90	89	79	74	78	82	46	52	61	76	73	863
Timaru District	С	56	46	39	51	48	37	26	56	39	48	29	40	515
Upper Hutt City	С	20	35	28	24	34	33	33	47	17	38	38	39	386
Wanganui District	С	42	33	36	37	34	38	44	37	25	40	49	42	457
Whangarei District	С	90	94	76	87	85	95	88	90	80	103	81	100	1069

Crashes by month (2005-2009 inclusive) Peer groups D & E

Ashburton District D 22 23 34 22 27 27 25 20 16 29 12 103 Franklin District D 85 90 99 76 70 66 85 70 81 80 84 81 80 101 103 Marnowaton District D 285 145 37 23 42 37 38 40 13 34 24 457 Marborough District D 64 47 45 57 48 53 43 57 50 39 52 65 620 Mastanta3-Piako D 50 37 48 42 40 37 35 20 50 42 44 483 50 56 76 53 50 42 44 483 39 45 56 66 68 59 54 50 56 59 54 50 56 59 54 50 56 59 54 50 56 59<	Territorial authority	Peer group	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Franklin District D 85 89 107 82 102 57 78 85 80 84 81 80 1010 Horowhenua District D 38 41 42 34 44 32 31 41 49 38 42 457 38 40 41 32 31 41 49 38 42 457 Marborough District D 64 47 45 57 48 53 43 57 50 39 52 43 353 Matamata-Piako D 50 37 49 33 35 20 50 42 34 47 42 44 483 South Waikato District D 36 28 20 42 34 27 48 47 47 363 35 39 45 45 60 660 75 50 59 54 55 55 5		D	22	23	34		27			20		29	31	27	303
Horowhenua District D 38 41 42 39 42 34 41 32 91 41 49 38 468 Manawatu District D 28 51 45 37 23 42 37 38 40 41 39 42 457 Marlborough District D 24 29 37 30 29 32 25 32 32 21 29 33 353 Maramata-Plako D 50 37 49 33 35 20 50 42 34 47 42 44 483 South Taranaki District D 36 28 20 24 29 23 27 28 28 44 136 39 95 56 56 57 51 50 59 51 56 56 57 51 56 57 51 56 57 51 56 57 </td <td></td> <td>D</td> <td>109</td> <td>85</td> <td>90</td> <td>99</td> <td>- 76</td> <td></td> <td></td> <td>85</td> <td>70</td> <td>81</td> <td>97</td> <td>105</td> <td>1033</td>		D	109	85	90	99	- 76			85	70	81	97	105	1033
Manawatu District D 28 51 45 97 23 42 37 38 40 41 33 42 457 Marborough District D 64 47 45 57 48 53 43 57 50 39 52 65 620 Masterton District D 50 37 48 42 40 37 39 35 20 34 47 44 444 483 South Taranaki District D 30 37 48 42 49 32 27 28 27 41 33 47 363 South Taranaki District D 31 43 34 21 30 39 19 17 21 28 32 41 356 South Mad District D 61 62 52 54 50 56 59 51 65 51 165 711 Tames-Coromandel <td></td> <td>D</td> <td>85</td> <td>89</td> <td>107</td> <td>82</td> <td>102</td> <td>57</td> <td>78</td> <td>85</td> <td>80</td> <td>84</td> <td>81</td> <td>80</td> <td>1010</td>		D	85	89	107	82	102	57	78	85	80	84	81	80	1010
Marlborough District D 64 47 45 57 48 53 43 57 50 39 52 65 620 Mastmata-Piako D 50 37 44 24 29 32 25 32 32 21 29 33 353 Rodney District D 117 124 135 124 122 96 113 97 102 112 113 131 1386 South Taranaki District D 50 37 49 33 35 20 50 42 34 47 363 SouthWaikato District D 81 43 42 130 39 19 17 21 28 32 41 356 66 67 75 60 75 65 50 59 54 50 56 59 51 65 711 74 86 91 105 1007 711 74 86 91 105 1007 100 113 113 104	Horowhenua District	D	38	41	42	39	42	34	41	32	31	41	49	38	468
Masterton District D 24 29 37 30 29 32 25 32 32 21 29 33 353 Matamata-Piako D 50 37 48 42 40 37 39 35 41 35 513 503 513 503 513 513 503 50 42 34 47 42 44 483 South Taranaki District D 36 28 20 24 29 23 27 28 74 43 47 42 44 483 South Makato District D 36 28 20 24 29 23 27 28 74 43 44 46 33 94 5 66 66 66 66 66 55 56 55 56 56 55 56 56 50 54 50 45 50 44 50 41 45 42 42 42 42 43 25 42 44 54	Manawatu District	D	28	51	45	37	23	42	37	38	40	41	33	42	457
Matamata-Piako D 50 37 48 42 40 37 39 35 41 39 51 54 513 Rodney District D 117 124 135 124 122 96 113 97 102 112 113 131 138 South Taranaki District D 36 28 20 24 29 23 27 28 27 41 33 47 363 South Waikato District D 86 78 87 48 79 79 48 55 56 59 51 56 56 59 51 65 71 Thames-Coronandel D 60 42 39 29 43 37 24 86 91 105 1007 Waikabistrict D 46 68 66 24 51 52 447 38 44 50 52 447 38 </td <td>Marlborough District</td> <td>D</td> <td>64</td> <td>47</td> <td>45</td> <td>57</td> <td>48</td> <td>53</td> <td>43</td> <td>57</td> <td>50</td> <td>39</td> <td>52</td> <td>65</td> <td>620</td>	Marlborough District	D	64	47	45	57	48	53	43	57	50	39	52	65	620
Rodney District D 117 124 135 124 122 96 113 97 102 112 113 131 1386 Selwyn District D 50 37 49 33 35 20 50 42 34 47 42 44 48 South Waikato District D 31 43 34 21 30 39 19 17 21 28 27 41 356 Southland District D 61 62 52 71 48 47 44 46 33 39 45 50 66 57 51 55 54 50 55 51 55 711 Thampo District D 64 86 67 75 73 74 86 91 105 1007 Waikato District D 46 66 46 62 49 52 44 34 46 592 <td>Masterton District</td> <td>D</td> <td>24</td> <td>29</td> <td>37</td> <td>30</td> <td>29</td> <td>32</td> <td>25</td> <td>32</td> <td>32</td> <td>21</td> <td>29</td> <td>33</td> <td>353</td>	Masterton District	D	24	29	37	30	29	32	25	32	32	21	29	33	353
Selwyn District D 50 37 49 33 35 20 50 42 34 47 42 44 483 South Taranaki District D 36 28 20 24 29 23 27 28 27 41 33 34 364 South Maikato District D 85 74 84 79 79 74 66 37 48 75 56 76 6853 Tampo District D 61 62 52 71 48 44 46 33 39 45 45 60 60 Taupo District D 64 60 67 56 59 51 65 711 Thames-Coromandel D 60 42 33 39 29 40 20 33 40 41 34 46 62 49 24 32 34 36 36 29 73 31 39 55 2 47 46 14 14 14	Matamata-Piako	D	50	37	48	42	40	37	39	35	41	39	51	54	513
South Taranaki District D 36 28 20 24 29 23 27 28 27 41 33 47 363 South Waikato District D 31 43 34 21 30 39 19 17 21 28 32 41 356 Tasman District D 61 62 52 71 48 44 46 33 39 45 45 60 60 Tayno District D 64 80 67 56 50 51 57 71 48 41 50 411 1007 Waikato District D 79 75 101 75 86 87 75 74 86 91 105 1007 Waikato District D 42 45 32 35 92 90 02 33 40 44 468 Waikato District D 42 <t< td=""><td>Rodney District</td><td>D</td><td>117</td><td>124</td><td>135</td><td>124</td><td>122</td><td>96</td><td>113</td><td>97</td><td>102</td><td>112</td><td>113</td><td>131</td><td>1386</td></t<>	Rodney District	D	117	124	135	124	122	96	113	97	102	112	113	131	1386
South Waikato District D 31 43 34 21 30 39 19 17 21 28 32 41 356 Southland District D 651 62 52 71 48 44 633 39 45 45 60 660 Tayno District D 661 62 59 54 50 56 59 51 65 711 Thames-Coromandel D 600 42 39 32 19 25 21 27 25 28 44 50 412 Waikato District D 79 75 101 75 66 87 75 73 74 86 91 105 100 75 73 74 86 43 48 57 54 34 34 56 52 447 34 45 50 24 38 44 50 552 447 5	Selwyn District	D	50	37	49	33	35	20	50	42	34	47	42	44	483
Southland District D 85 74 84 79 79 74 86 37 48 75 56 76 853 Tasman District D 61 62 52 71 48 44 46 33 94 54 50 56 59 51 65 711 Thames-Coromandel D 60 42 39 32 19 25 12 72 25 84 50 412 Waikato District D 39 42 45 32 35 39 29 24 37 32 43 25 422 Waipa District D 46 62 49 52 46 51 52 49 62 49 52 44 38 44 50 592 Whakaton District D 42 41 35 34 36 36 29 37 31 39 55 </td <td>South Taranaki District</td> <td>D</td> <td>36</td> <td>28</td> <td>20</td> <td>24</td> <td>29</td> <td>23</td> <td>27</td> <td>28</td> <td>27</td> <td>41</td> <td>33</td> <td>47</td> <td>363</td>	South Taranaki District	D	36	28	20	24	29	23	27	28	27	41	33	47	363
Tasman District D 61 62 52 71 48 44 46 33 39 45 45 60 606 Taupo District D 64 80 67 56 50 59 54 50 56 59 11 65 711 Thames-Coromandel D 60 42 39 32 19 25 21 27 25 28 44 50 412 Waikato District D 46 68 46 62 49 52 46 51 52 49 62 49 632 Waitaki District D 42 41 35 34 36 36 29 37 31 39 35 52 447 Buller District E 20 22 18 19 14 19 10 16 15 22 13 20 21 147 21 21	South Waikato District	D	31	43	34	21	30	39	19	17	21	28	32	41	356
Taupo District D 64 80 67 56 59 54 50 56 59 51 65 711 Thames-Coromandel D 60 42 39 32 19 25 21 27 25 28 44 50 412 Waikato District D 79 75 101 75 86 87 75 73 74 86 91 105 1007 Waimakarini District D 46 68 46 62 49 52 46 51 52 49 62 49 632 Waipa District D 42 47 61 43 48 57 50 44 38 44 50 592 Whakatane District D 42 41 35 34 36 36 69 37 31 39 35 52 447 Buller District E 20 22 18 19 14 19 10 16 15 22 <td< td=""><td>Southland District</td><td>D</td><td>85</td><td>74</td><td>84</td><td>79</td><td>79</td><td>74</td><td>86</td><td>37</td><td>48</td><td>75</td><td>56</td><td>76</td><td>853</td></td<>	Southland District	D	85	74	84	79	79	74	86	37	48	75	56	76	853
Thames-Coromandel D 60 42 39 32 19 25 21 27 25 28 44 50 412 Waikato District D 79 75 101 75 86 87 75 73 74 86 91 105 1007 Waikato District D 46 68 46 62 49 52 46 51 52 49 62 49 632 Waitaki District D 46 68 47 47 61 43 48 57 50 44 38 44 50 592 Whakatane District D 42 41 35 34 36 29 37 31 39 35 52 447 Buller District E 20 22 18 19 14 19 10 16 16 15 22 13 204 Carterton District E 89 7 5 61 29 33 31 22 4 2	Tasman District	D	61	62	52	71	48	44	46	33	39	45	45	60	606
Waikato District D 79 75 101 75 86 87 75 73 74 86 91 105 1007 Waimakarin District D 39 42 45 32 35 39 29 24 37 32 43 25 426 Waitaki District D 46 68 46 62 49 52 46 51 52 49 62 49 63 Waitaki District D 42 53 59 38 39 29 40 20 33 40 41 34 468 Western BoP District D 42 41 35 34 36 36 29 37 31 39 35 52 447 Buller District E 20 22 10 13 11 13 17 15 13 186 Central Nakes Bay E 22 15<	Taupo District	D	64	80	67	56	50	59	54	50	56	59	51	65	711
Waimakariri District D 39 42 45 32 35 39 29 24 37 32 43 25 422 Waipa District D 46 68 46 62 49 52 46 51 52 49 62 49 632 Waitaki District D 42 53 59 38 39 29 40 20 33 40 41 34 468 Western BOP District D 42 41 35 34 36 36 29 37 31 39 52 447 Buller District E 20 22 18 19 14 19 10 16 16 15 22 13 204 Carterton District E 8 9 7 5 6 12 9 14 27 37 363 Chatham Island E 3 2	Thames-Coromandel	D	60	42	39	32	19	25	21	27	25	28	44	50	412
Waipa District D 46 68 46 62 49 52 46 51 52 49 62 49 632 Waitaki District D 42 53 59 38 39 29 40 20 33 40 41 34 468 Western BoP District D 42 41 35 34 36 36 29 37 31 39 55 2447 Buller District E 20 22 18 19 14 19 10 16 16 15 22 13 204 Carterton District E 8 9 7 5 6 12 9 14 5 14 12 8 109 Central Names Bay E 22 15 20 22 10 13 11 13 3 2 2 4 23 Clutha District E 4	Waikato District	D	79	75	101	75	86	87	75	73	74	86	91	105	1007
Waitaki District D 42 53 59 38 39 29 40 20 33 40 41 34 468 Western BoP District D 63 47 47 61 43 48 57 50 44 38 44 50 592 Whakatane District E 20 22 18 19 14 19 10 16 16 15 22 447 Buller District E 8 9 7 5 6 12 9 14 5 14 12 8 109 Central Otago District E 47 36 25 30 23 33 32 29 30 14 27 37 363 Central Hawkes Bay E 12 21 11 3 32 29 30 14 27 37 363 Central Otago District E 47 36 25 30 23 33 32 29 30 14 24	Waimakariri District	D	39	42	45	32	35	39	29	24	37	32	43	25	422
Western BoP District D 63 47 47 61 43 48 57 50 44 38 44 50 592 Whakatane District D 42 41 35 34 36 36 29 37 31 39 35 52 447 Buller District E 20 22 18 19 14 19 10 16 16 15 22 13 204 Carterton District E 89 7 5 6 12 9 14 5 14 12 8 109 Central Hawkes Bay E 22 15 20 22 10 13 11 13 17 15 13 186 Central Hawkes Bay E 22 1 1 3 2 2 4 23 Clutha District E 40 42 49 48 30 60	Waipa District	D	46	68	46	62	49	52	46	51	52	49	62	49	632
Western BoP District D 63 47 47 61 43 48 57 50 44 38 44 50 592 Whakatane District D 42 41 35 34 36 36 29 37 31 39 35 52 447 Buller District E 20 22 18 19 14 19 10 16 16 15 22 13 204 Carterton District E 89 7 5 6 12 9 14 5 14 12 8 109 Central Otago District E 47 36 25 30 23 33 32 2 4 23 Clutha District E 40 42 49 48 30 60 44 32 39 33 41 48 506 Gore District E 17 15 26	Waitaki District	D	42	53	59	38	39	29	40	20	33	40	41	34	468
Whakatane District D 42 41 35 34 36 36 29 37 31 39 35 52 447 Buller District E 20 22 18 19 14 19 10 16 16 15 22 13 204 Carterton District E 8 9 7 5 6 12 9 14 5 14 12 8 109 Central Hawkes Bay E 22 15 20 22 10 13 11 13 17 15 15 13 186 Central Otago District E 47 36 25 30 23 33 32 2 4 23 Clutha District E 40 42 49 48 30 60 44 32 39 33 41 48 506 Gore District E 17 15	Western BoP District	D		47	47		43		57	50	44	38	44	50	592
Buller District E 20 22 18 19 14 19 10 16 16 15 22 13 204 Carterton District E 8 9 7 5 6 12 9 14 5 14 12 8 109 Central Hawkes Bay E 22 15 20 22 10 13 11 13 17 15 15 13 186 Central Otago District E 47 36 25 30 23 33 32 29 30 14 27 37 363 Chatham Island E 3 2 2 1 1 3 3 2 2 4 23 Clutha District E 12 22 13 16 20 11 18 18 14 24 16 199 Gree District E 17 15 26	Whakatane District					34									
Carterton District E 8 9 7 5 6 12 9 14 5 14 12 8 109 Central Hawkes Bay E 22 15 20 22 10 13 11 13 17 15 15 13 186 Central Otago District E 47 36 25 30 23 33 32 29 30 14 27 37 363 Chatham Island E 3 2 2 1 1 3 3 2 2 4 23 Clutha District E 40 42 49 48 30 60 44 32 39 34 41 48 506 Gore District E 12 26 11 15 18 23 8 205 Hauraki District E 41 79 11 11 12 13 33	Buller District														
Central Hawkes Bay E 22 15 20 22 10 13 11 13 17 15 13 186 Central Otago District E 47 36 25 30 23 33 32 29 30 14 27 37 363 Chatham Island E 3 2 2 1 1 3 3 2 2 4 23 Clutha District E 12 22 13 16 20 11 18 18 15 14 24 16 199 Grey District E 17 15 26 16 17 14 15 21 36 45 30 Hauraki District E 41 39 21 31 21 27 35 28 35 21 6 45 30 Kaikoura District E 50 46 56 30 27<	Carterton District	E								14					
Central Otago District E 47 36 25 30 23 33 32 29 30 14 27 37 363 Chatham Island E 3 2 2 1 1 3 3 2 2 4 23 Clutha District E 40 42 49 48 30 60 44 32 39 33 41 48 506 Gore District E 12 22 13 16 20 11 18 18 15 14 24 16 199 Grey District E 41 39 21 31 21 27 35 28 35 21 36 45 380 Hurunui District E 35 30 34 27 31 26 23 23 18 18 32 40 337 Kaikoura District E 50 46 <td>Central Hawkes Bay</td> <td>E</td> <td>22</td> <td>15</td> <td>20</td> <td>22</td> <td>10</td> <td></td> <td>11</td> <td>13</td> <td>17</td> <td>15</td> <td></td> <td>13</td> <td></td>	Central Hawkes Bay	E	22	15	20	22	10		11	13	17	15		13	
Chatham Island E 3 2 2 1 1 3 3 2 2 4 23 Clutha District E 40 42 49 48 30 60 44 32 39 33 41 48 506 Gore District E 12 22 13 16 20 11 18 18 15 14 24 16 199 Grey District E 17 15 26 16 17 14 15 21 15 18 23 8 205 Hauraki District E 41 39 21 31 21 27 35 28 35 21 36 45 380 Hurunui District E 35 30 34 27 31 26 23 23 18 32 40 337 Kaikoura District E 50 46 56 30 27 29 28 29 30 34 41 50 450 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>23</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							23								
Clutha District E 40 42 49 48 30 60 44 32 39 33 41 48 506 Gore District E 12 22 13 16 20 11 18 15 14 24 16 199 Grey District E 17 15 26 16 17 14 15 21 15 18 23 8 205 Hauraki District E 41 39 21 31 21 27 35 28 35 21 36 45 380 Hurunui District E 35 30 34 27 31 26 23 23 18 32 40 337 Kaikoura District E 4 17 10 11 5 11 4 9 4 12 10 15 11 Kaikoura District E 2 1 5 4 3 2 4 1 2 25 Kawera															
Gore District E 12 22 13 16 20 11 18 18 15 14 24 16 199 Grey District E 17 15 26 16 17 14 15 21 15 18 23 8 205 Hauraki District E 41 39 21 31 21 27 35 28 35 21 36 45 380 Hurunui District E 35 30 34 27 31 26 23 23 18 18 32 40 337 Kaikoura District E 4 17 10 11 5 11 4 9 4 12 10 15 112 Kaipara District E 2 1 5 4 3 2 4 1 2 25 MacKenzie District E 12 15 9 9 9 6 13 10 9 3 13 14 122	Clutha District					48	30	60	44			33		48	
Grey District E 17 15 26 16 17 14 15 21 15 18 23 8 205 Hauraki District E 41 39 21 31 21 27 35 28 35 21 36 45 380 Hurunui District E 35 30 34 27 31 26 23 23 18 18 32 40 337 Kaikoura District E 4 17 10 11 5 11 4 9 4 12 10 15 112 Kaikoura District E 2 1 1 5 4 3 2 4 1 2 25 MacKenzie District E 12 15 9 9 6 13 10 9 3 13 14 122 25 MacKenzie District E 15 11 13 14 11 17 5 13 7 14 13 15	Gore District														
Hauraki DistrictE413921312127352835213645380Hurunui DistrictE353034273126232318183240337Kaikoura DistrictE4171011511494121015112Kaipara DistrictE504656302729282930344150450Kawerau DistrictE211543241225MacKenzie DistrictE121599961310931314122Opotiki DistrictE1511131411175137141315148Otorohanga DistrictE22171425122020161111823199Queenstown-LakesE474347413768654740364853572Rangitikei DistrictE212227152231242019232717268South WairarapaE152017131213959151418160Stra	Grey District														
Hurunui DistrictE353034273126232318183240337Kaikoura DistrictE4171011511494121015112Kaipara DistrictE504656302729282930344150450Kawerau DistrictE211543241225MacKenzie DistrictE121599961310931314122Opotiki DistrictE1511131411175137141315148Otorohanga DistrictE22171425122020161111823199Queenstown-LakesE474347413768654740364853572Rangitikei DistrictE302027242516231821302429287Ruapehu DistrictE212227152231242019232717268South WairarapaE152017131213959151418160Stra	i														
Kaikoura DistrictE4171011511494121015112Kaipara DistrictE504656302729282930344150450Kawerau DistrictE211543241225MacKenzie DistrictE121599961310931314122Opotiki DistrictE1511131411175137141315148Otorohanga DistrictE22171425122020161111823199Queenstown-LakesE474347413768654740364853572Rangitikei DistrictE302027242516231821302429287Ruapehu DistrictE212227152231242019232717268South WairarapaE1520171312131171191912147Tararua DistrictE294134242625202328252334332Wai	Hurunui District														
Kaipara DistrictE504656302729282930344150450Kawerau DistrictE211543241225MacKenzie DistrictE121599961310931314122Opotiki DistrictE1511131411175137141315148Otorohanga DistrictE22171425122020161111823199Queenstown-LakesE474347413768654740364853572Rangitikei DistrictE302027242516231821302429287Ruapehu DistrictE212227152231242019232717268South WairarapaE152017131213959151418160Stratford DistrictE294134242625202328252334332Waimate DistrictE94101114146997910112Waima	Kaikoura District	E													
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Queenstown-Lakes E 47 43 47 41 37 68 65 47 40 36 48 53 572 Rangitikei District E 30 20 27 24 25 16 23 18 21 30 24 29 287 Ruapehu District E 21 22 27 15 22 31 24 20 19 23 27 17 268 South Wairarapa E 15 20 17 13 12 13 9 5 9 15 14 18 160 Stratford District E 16 5 16 12 16 13 11 7 11 9 19 12 147 Tararua District E 29 41 34 24 26 25 20 23 28 25 23 34 332 Waimate District E 9 4 10 11 14 14 6 9 9															
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Urban crashes in movement groups

			Bend -					Straigh	
Territorial	Peer		lost	Crossing		Pedestria	Rear end /	t - lost	
authority	group	Year	control/ head	/ turning	Overtaking	n vs vehicle	obstruction	head	Miscellaneous
			on			venicie		on	
Auckland City		2005	115	306	50	168	239	80	6
		2006	1 28	313	36	154	222	80	6
	А	2007	115	318	64	105	221	76	4
		2008	123	323	45	125	244	70	2
		2009	114	325	34	139	224	74	1
Christchurch		2005	98	242	37	90	161	73	8
City		2006	92	339	39	96	231	64	4
-	А	2007	125	364	54	95	262	74	5
		2008	94	366	49	96	256	87	2
		2009	84	301	36	109	228	64	2
Dunedin City		2005	59	133	17	45	116	38	3
		2006	79	110	9	47	83	38	1
	А	2007	85	118	12	32	104	35	2
		2008	61	103	13	62	105	22	2
		2009	67	109	19	49	94	28	3
Hamilton City		2005	32	80	16	44	65	13	3
		2006	36	102	8	31	62	26	1
	A	2007	41	124	14	36	77	33	0
		2008	38	124	18	40	94	21	2
		2009	28	118	10	32	74	18	1
Hutt City		2005	15	31	1	23	33	4	0
		2006	29	28	7	36	30	12	0
	A	2007	34	52	5	32	78	19	1
		2008	37	51	5	33	64	12	3
		2009	33	46	4	20	50	11	0
Manukau City		2005	70	142	18	48	89	53	0
		2006	97	182	17	68	123	72	1
	А	2007	73	208	24	70	123	50	4
		2008	93	179	18	67	121	67	3
N and a Channe		2009	95	173	18	71	128	62	4
North Shore		2005	52 75	128 129	14	40 27	114	29 35	5
City	А	2006 2007	68	129	15	27	102	34	
	Ä	2007	62	108	12	44	81	28	2
		2000	53	99	16	44	85	20	3
Tauranga		2005	23	45	6	23	40	12	2
District		2005	23	40	8	19	38	12	0
District	А	2000	18	53	10	19	39	13	1
		2007	25	36	6	24	37	13	1
		2009	18	55	13	13	39	15	3
Waitakere City		2005	66	100	10	35	80	23	2
		2005	81	88	17	46	74	34	2
	А	2007	76	116	12	32	78	30	2
		2008	93	111	12	30	93	31	0
		2009	87	99	15	34	110	35	2
Wellington		2005	51	79	17	85	83	19	1
City		2006	58	81	21	87	88	14	6
	А	2007	68	105	32	87	130	16	1
		2008	77	100	28	94	150	28	
									-

Urban crashes in movement groups

			Bend -					Straigh	
Territorial	Peer		lost	Crossing		Pedestria	Rear end /	t - lost	
authority	group	Year	control/	/ turning	Overtaking		obstruction		Miscellaneous
	1		head	,		vehicle		head	
Invercargill		2005	<u>on</u> 16	80	5	11	32	<u>on</u> 13	9
City		2006	15	123	5	17	41	22	2
city	в	2007	21	75	4	15	40	17	2
		2008	20	84	1	13	40	13	0
		2009	10	72	7	14	40	10	0
Napier City		2005	16	40	2	10	27	11	0
		2006	21	31	5	15	33	4	0
	в	2007	21	48	10	12	27	18	1
		2008	8	46	4	11	27	15	3
		2009	23	55	5	13	40	18	2
Nelson		2005	14	29	3	14	19	4	0
District		2006	13	36	5	8	22	. 9	0
District	в	2007	17	28	- 1	8	26	11	0
	-	2008	16	31	8	9	18	3	3
		2009	8	25	3	10	29	13	2
Palmerston		2005	15	60	7	20	25	12	2
North City		2005	18	65	5	20	32	11	0
North City	в	2000	16	64	9	13	50	11	3
	°	2007	21	59	3	10	34	5	1
		L	17		2				-
De e e lu une		2009		46	2	11	44	12	1
Papakura		2005	13 13	28 30	2	5	11	9	0
District		2006				7	14		0
	В	2007	16	28	1	13	16	13	2
		2008	14	35	3	5	14	4	2
		2009	16	24	1	7	8	6	1
Gisborne		2005	9	20	3	9	16	10	1
District		2006	8	24	1	6	16	5	0
	C	2007	2	18	3	11	15	10	0
		2008	12	24	1	9	29	12	1
		2009	12	16	2	3	22	4	0
Hastings		2005	11	56	10	15	31	10	2
District		2006	8	59	2	17	26	10	0
	C	2007	19	47	6	9	32	14	2
		2008	14	41	3	7	31	9	2
		2009	25	51	4	15	29	8	0
Kapiti Coast		2005	8	19	2	12	6	3	1
District		2006	10	15	3	5	3	9	1
	C	2007	12	18	1	7	20	3	0
		2008	8	5	1	5	15	9	1
		2009	9	12	4	4	8	8	0
New		2005	19	37	1	7	34	7	0
Plymouth		2006	17	41	2	10	42	10	0
District	C	2007	22	52	4	11	33	8	1
		2008	18	40	9	17	28	8	1
		2009	17	44	2	19	31	11	1
Porirua City		2005	26	19	1	9	12	5	1
		2006	26	17	3	12	10	5	0
	C	2007	24	14	3	5	23	6	1
		2008	27	18	4	6	15	0	2
		2009	16	22	4	10	15	4	1

Territorial authority	Peer group	Year	Bend - lost control/ head on	Crossing / turning	Overtaking	Pedestria n vs vehicle	Rear end / obstruction	Straigh t - lost control/ head on	Miscellaneous
Rotorua		2005	18	30	1	21	15	7	2
District		2006	24	28	2	14	27	10	2
	C	2007	16	28	6	14	17	16	1
		2008	25	26	6	16	21	8	0
		2009	17	19	4	18	19	4	1
Timaru		2005	8	20	2	3	8	7	
District		2006	10	18	1	3	21	6	0
	C	2007	6	30	3	5	12	7	0
		2008	12	19	1	6	16	4	0
		2009	10	19	4	7	20	8	1
Upper Hutt		2005	9	9	2	9	10	1	0
City		2006	10	9	2	4	7	4	0
	C	2007	15	10	0	3	11	4	0
		2008	12	9	2	6	13	3	0
		2009	7	12	0	6	14	1	0
Wanganui		2005	15	23	2	7	16	10	
District		2006	9	17	2	4	10	5	0
	C	2007	11	24	2	10	7	7	0
		2008	11	26	3	7	17	9	
		2009	10	24	3	9	12	6	
Whangarei		2005	16	32	3	19	32	10	
District		2006	24	21	2	11	18	3	
	C	2007	18	23	5	16	15	9	
		2008	19	25	4	15	28	10	
		2009	24	29	5	17	27	9	2

Territorial	Peer		Bend -	Crossing	- · · · · ·	Pedestria	Rear end /	Straigh	
authority	group	Year	control/ head on	/ turning	Overtaking	n vs vehicle	obstruction	head on	Miscellaneous
Ashburton		2005	0	12	0	2	7	4	0
District		2006	3	8	0	0	4	2	0
	D	2007	4	22	1	1	7	2	1
		2008	2	14	0	4	4	3	0
		2009	1	13	2	2	7	1	0
Far North		2005	12	8	0	3	6	2	0
District		2006	14	7	2	5	4	4	1
	D	2007	10	3	1	11	4	2	0
		2008	6	5	0	5	5	3	1
		2009	14	6	0	9	12	6	0
Franklin		2005	10	10	2	10	7	9	0
District		2006	16	13	1	10	8	6	1
	D	2007	13	10	2	3	7	5	2
		2008	10	18	0	6	10	12	1
		2009	8	19	2	5	11	6	1
Horowhenua		2005	7		0	6	7	4	0
District		2006	5	8	0	8	10	2	0
District	D	2007	5	12	0	5	12	4	1
		2008	6	11	0	2	9	3	0
		2009	5	17	0	9	10	4	0
Manawatu		2005	5	8	0	0	10	4	0
		2005	2	14	1	1	1	2	1
District		2008	3	14	0	0		1	
	D			7	2		1	0	0
		2008	2	6		2	7		1
hd - ulb - us - us h		2009	2		1	4	6	1	0
Marlborough		2005	4	24	1	5	12	5	0
District		2006	5			10	10		0
	D	2007	6	28	4	5	12	3	0
		2008	11	27	2	4	7	5	1
		2009	7	18	4	6	12	3	2
Masterton		2005	11	14	0	4	10		
District	_	2006	7	12	2	8	9	3	0
	D	2007	3	13	2	8	9	5	0
		2008	3	13	3	9	14	7	0
		2009	12	18	1	5	8	6	1
Matamata-		2005	4	11	1	0	5	2	0
Piako District		2006	3	3	1	2	2	4	0
	D	2007	3	4	0	1	1	2	0
		2008	9	14	1	8	5	6	0
		2009	2	6	0	2	6	3	0
Rodney		2005	20	19	1	10	23	4	2
District		2006	21	24	2	10	26	9	1
	D	2007	28	16	1	6	26	11	1
		2008	26	20	4	11	10	9	2
		2009	22	21	4	6	29	10	0
Selwyn		2005	2	2	0	0	0	1	1
District		2006	0	3	0	3	3	1	0
	D	2007	2	1	0	2	1	1	2
		2008	1	6	1	0	5	3	0
		2009	1	4	0	0	1	0	1

Territorial authority	Peer group	Year	Bend - lost control/ head on	Crossing / turning	Overtaking	Pedestria n vs vehicle	Rear end / obstruction	Straigh t - lost control/ head on	Miscellaneous
South		2004	1	6	0	4	4	6	1
Taranaki		2005	3	9	3	0	6	1	1
District	D	2006	7	4	3	3	5	1	0
		2007	0	8	1	2	2	0	0
		2008	4	5	0	5	3	5	0
South		2004	3	3	0	З	8	2	2
Waikato		2005	7	3	0	0	4	1	1
District	D	2006	3	2	0	2	0	1	0
		2007	3	3	0	З	з	5	0
		2008	6	7	0	2	2	2	0
Southland		2004	3	7	0	3	3	6	0
District		2005	7	5	0	2	2	5	1
	D	2006	9	4	0	2	1	5	1
		2007	6	3	0	3	3	6	2
		2008	8	4	0	2	2	6	1
Tasman		2004	7	10	1	8	9	4	0
District		2005	0	13	0	6	5	1	2
	D	2006	1	12	3	5	6	7	0
		2007	5	17	2	5	8	2	0
		2008	5	6	1	3	3	6	0
Taupo District		2004	8	17	0	2	5	0	0
		2005	10	13	1	4	10	4	1
	D	2006	5	26	1	4	8	4	1
		2007	4	16	1	6	13	3	1
		2008	7	16	2	6	8	4	1
Thames-		2004	2	4	1	2	5	0	2
Coromandel		2005	10	9	4	7	5	5	0
District	D	2006	8	11	2	2	4	3	0
Direct	_	2007	7	11	0	3	5	2	0
		2008	8	10	2	3	6	3	- 1
Waikato		2004	12	9	2	5	16	7	2
District		2005	4	6	1	2	7	9	- 1
District	D	2006	8	10	1	- 6		7	0
		2007	8	11	2	5	3	2	2
		2008	12	6	2	6	6	5	0
Waimakariri		2004	6	5	0	5	12	2	0
District		2005	4	12	1	3	2	4	0
District	D	2006	2	9	0	1	3	1	1
		2007	6	7	1	4	8	1	0
		2007	4	13	1	3	7	2	2
Waipa District		2000	10	16	0	4	6	3	
waipa District		2004	3	12	3	2	7	4	0
	D	2005	6	12	2	7	10	5	1
		2008	4	14	2	5	10	5	0
		<u> </u>	5	23	0	3		5	
W/a ita lui		2008		13	2		9		0
Waitaki		2004	1			7	17	3	
District		2005	7	14	2	6	6		
	D	2006	2	10	0	6	9	4	0
		2007	5	18	1	4	11	2	0
		2008	6	14	3	4	10	3	0

			Bend -					Straigh	
Territorial	Peer		lost	Crossing		Pedestria	Rear end /	t - lost	
authority	group	Year	control/	Crossing / turning	Overtaking		obstruction		Miscellaneous
ductionicy	group		head	y carriing		vehicle	obscraccion	head	
			on	_			_	on	-
Western BoP		2005	7	3	0	2	5	1	0
District		2006	1	7	0	1	2	2	0
	D	2007	4	4	0	9	2	2	0
		2008	6	6	1	4	4	2	2
		2009	6	6	2	2	3	1	1
Whakatane		2005	9	3	2	1	9	1	0
District		2006	7	6	2	4	3	2	0
	D	2007	5	6	0	1	9	5	0
		2008	10	8	1	2	5	6	0
		2009	12	8	0	5	5	3	1
Buller District		2005	1	6	1	0	0	0	1
		2006	5	5	0	0	1	0	0
	E	2007	3	3	0	1	1	1	0
		2008	3	2	0	1	1	1	1
		2009	1	4	0	0	0	2	0
Carterton		2005	0	0	1	2	1	1	0
District		2006	0	1	0	1	1	2	0
	E	2007	1	4	2	1	з	0	0
		2008	0	0	0	3	З	1	0
		2009	1	1	0	1	1	0	0
Central		2005	3	1	0	0	3	4	0
Hawkes Bay		2006	2	0	1	1	1	2	0
District	E	2007	2	3	0	0	4	2	0
		2008	1	1	0	1	0	2	0
		2009	3	1	1	1	2	1	0
Central Otago		2005	3	7	0	1	5	2	0
District		2006	5	5	0	2	5	0	0
	E	2007	2	5	2	1	4	0	1
		2008	4	1	1	2	3	2	0
		2009	1	4	0	3	5	1	0
Chatham		2005	0	0	0	0	0	0	0
Island		2006	0	0	0	0	0	0	0
	E	2007	1	0	0	0	0	0	0
		2008	0	0	0	0	0	0	0
		2009	0	0	1	0	0	0	0
Clutha District		2005	2	4	0	4	2	2	1
clara Disalec		2006	3	7	0	1	5	0	1
	E	2007	3	5	0	2	3	1	1
	`	2007	3	7	0	2	1	0	0
		2000	2	3	0	2	4	2	0
Care District				5	3				
Gore District		2005 2006	4	5	1	3	5	2	0
	_E	2006							
	E		0	4	1	0	3	0	0
		2008	2	6	1	3	6	1	0
		2009	1	4	0	1	5	4	0
Grey District		2005	4	3	0	0	3	1	0
	-	2006	5	5	1	1	2	2	0
	E	2007	5	3	0	1	5	1	1
		2008	3	10	0	3	5	1	0
		2009	8	4	0	1	3	0	0

Territorial authority	Peer group	Year	Bend - lost control/ head on	Crossing / turning	Overtaking	vehicle	Rear end / obstruction	Straigh t - lost control/ head on	Miscellaneous
Hauraki		2005	4	1	1	0	5	1	0
District		2006	1	2		2	2	1	0
	E	2007	6	6		1	1	3	1
		2008	2	6	0	3	4	1	0
		2009	1	6	0	2	6	3	0
Hurunui		2005	0	0	0	2	1	0	0
District		2006	1	1	0	1	0	1	0
	E	2007	3	1	0	1	2	1	0
		2008	1	2		2	1	0	1
		2009	1	0	0	0	0	0	0
Kaikoura		2005	0	0	0	0	0	0	0
District		2006	1	0	0	0	0	2	0
	E	2007	0	0	0	0	1	2	0
		2008	0	2	0	0	0	0	0
		2009	3	0	0	2	0	1	0
Kaipara		2005	2	4	0	2	3	0	0
District		2006	0	7	0	2	2	1	0
	E	2007	6	2	0	4	5	5	0
		2008	4	4	0	1	1	6	0
		2009	7	2	0	2	4	1	0
Kawerau		2005	0	1	0	1	0	0	0
District		2006	2	0	0	0	0	3	0
	E	2007	2	1	0	0	1	0	0
		2008	3	0	0	0	0	0	0
		2009	5	1	0	0	0	0	1
MacKenzie		2005	1	0		0	1	2	0
District		2006	3	1	0	0	1	1	0
	E	2007	2	0	0	0	0	0	0
		2008	1	1	0	0	0	1	0
		2009	3	0	0	1	0	0	0
Opotiki		2005	2	2		1	0	0	0
District		2006	3	2		1	0	1	0
	E	2007	3	1	0	2	0	1	0
		2008	4	3		0	3	0	0
		2009	3	2		2	3	3	
Otorohanga		2005	5	1	0	0	1	0	0
District		2006	3	2		1	2	1	1
	E	2007	6	2		0	2	1	0
		2008	1	6		0	0	1	0
		2009	0	1	0	1	0	1	0
Queenstown-		2005	10	4		. 7	9	9	2
Lakes District		2006	14	5		. 8	13	1	1
	E	2007	18	9		4	17	2	0
		2008	.0	9		3	9	4	1
		2009	18	9		1	8	0	1
Rangitikei		2005	1	3		2	2	0	0
District		2005	1	0		0	2	1	0
District	E	2000	0	2		0	3	0	1
		2007	1	1	1	2	1	1	0
		2008	5	3		2	3	2	

Territorial authority	Peer group	Year	Bend - lost control/ head on	Crossing / turning	Overtaking	Pedestria n vs vehicle	Rear end / obstruction	Straigh t - lost control/ head on	Miscellaneous
Ruapehu		2005	0	1	0	0	0	3	0
District		2006	5	1	0	1	2	1	0
	E	2007	6	1	0	2	3	1	0
		2008	5	2	0	0	4	0	0
		2009	2	3	0	3	2	0	0
South		2005	2	2	0	0	2	0	0
Wairarapa		2006	1	3	0	0	1	1	0
District	E	2007	1	1	0	0	1	1	0
		2008	1	2	0	0	0	2	0
		2009	0	2	1	0	2	0	0
Stratford		2005	0	1	0	0	2	0	0
District		2006	1	1	0	0	2	1	0
	E	2007	1	З	0	1	2	1	0
		2008	2	2	0	2	0	2	1
		2009	1	2	0	2	1	2	0
Tararua		2005	4	3	0	1	5	0	0
District		2006	1	5	0	1	4	2	1
	E	2007	2	2	1	2	3	0	0
		2008	3	6	0	2	1	1	0
		2009	2	11	0	0	1	0	2
Waimate		2005	2	2	0	0	1	0	0
District		2006	1	1	0	0	0	0	0
	E	2007	2	З	0	0	1	0	0
		2008	0	2	0	0	2	0	0
		2009	1	1	0	1	0	0	0
Wairoa		2005	1	4	0	0	1	2	0
District		2006	0	4	0	0	3	2	0
	E	2007	5	3	1	1	1	1	1
		2008	0	1	0	2	2	1	0
		2009	2	2	0	2	2	4	0
Waitomo		2005	4	6	0	1	4	0	0
District		2006	4	0	1	0	1	0	0
	E	2007	1	1	0	1	1	1	0
		2008	4	2	0	0	0	0	0
		2009	3	3	0	2	2	2	0
Westland		2005	1	0	0	0	1	0	0
District		2006	1	2	0	0	0	2	1
	E	2007	3	1	0	0	0	1	0
		2008	1	0	1	0	0	1	0
		2009	0	3	1	1	0	0	0

Rural crashes in movement groups Peer groups A, B & C

			Bend -					Church Labor	
Territorial	Peer		lost	Crossing /		Pedestrian	Rear end /	Straight - lost	
authority	group	Year		turning	Overtaking	vs vehicle		control/head	Miscellaneous
Gaenone,	group		head on	carring			000000000000	on	
Auckland City	А	2005	30	2	50	0	152	22	3
		2006	26	2	37	2	139	27	3
		2007	26	0	35	0	155	26	0
		2008	31	0	40	0	134	37	0
		2009	22	0	40	0	127	31	0
Christchurch	А	2005	37	24	6	1	20	17	0
City		2006	29	16	7	1	17	9	2
		2007	31	22	7	0	16	13	1
		2008	25	21	6	3	22	9	2
		2009	25	20	6	1	22	12	2
Dunedin City	А	2005	69	5	7	2	17	28	0
		2006	62	7	4	1	17	23	1
		2007	61	3	7	0	17	30	1
		2008	60	10	7	0	18	23	0
		2009	43	6	10	2		18	2
Hamilton City	A	2005	3	7	1	0	8	4	1
		2006	- 6	7	1	0	10	5	0
		2007	19	10	4	0	3	- 6	- 1
		2008	7	8	2	0	10	7	0
		2009	6	7	3	2			0
Hutt City	A	2005	14	2	2	0	15	5	0
indic city		2006	12	8	3	0	15	3	0
		2007	25	3	8	0	19	7	0
		2008	16	11	10	0	19	5	0
		2000	7	3	7	1	23	6	0
Manukau City	A	2005	38	10	20	0	43	29	0
Manakaa City	~	2005	45	16	20	1	45	23	1
		2000	39	11	20	1	45	32	1
		2007	33	12	17	2	47	21	0
		2000	44	12	15	2	54	21	0
North Shore	A	2005	7	2	6	0	57	6	
	A	2005	6	4	5	1	49	20	1
City			10					10	
		2007		2	20	1	46		0
		2008	9	3	5	0	51	11	0
T		2009	8	2	11	0	71	8	0
Tauranga	А	2005	7	4	1	0	6	3	0
District		2006	9	4	0	1	4	4	1
		2007	7	1	1	0	8	5	
		2008	11	2	1	0	7	6	0
		2009	5	4	4	0		7	0
Waitakere City	А	2005	35	5	8	1	15	7	0
		2006	23	3	10	2	17	7	0
		2007	26	3	3	1	19	11	0
		2008	24	11	7	1	24	10	0
		2009	29	5	7	0	21	4	0
Wellington	А	2005	21	2	7	1	11	8	
City		2006	19	1	14	1	25	8	
		2007	15	3	12	1	32	18	1
		2008	20	1	16	1	30	7	1
		2009	16	1	12	0	28	11	2

Rural crashes in movement groups Peer groups A, B & C

Territorial authority	Peer group	Year	Bend - lost control/ head on	Crossing / turning	Overtaking	Pedestrian vs vehicle		Straight - lost control/head on	Miscellaneous
Invercargill	В	2005	9	10	4	0	5	16	1
City		2006	17	9	3	0	3	8	0
		2007	14	4	0	1	8	7	1
		2008	8	3	1	0	5	4	1
		2009	5	7	1	0	6	9	0
Napier City	В	2005	7	8	3	0	7	2	0
		2006	6	7	2	1	5	6	0
		2007	6	7	4	2	7	3	0
		2008	12	4	1	1	12	8	0
		2009	3	8	1	1	6	8	0
Nelson	В	2005	11	3	0	0	6	2	0
District		2006	12	1	4	0	1	4	0
		2007	10	4	1	0	1	0	0
		2008	12	4	0	1	2	3	0
		2009	9	0	2	1	4	0	0
Palmerston	В	2005	14	10	1	0	5	10	1
North City		2006	14	10	0	0	6	7	0
		2007	7	3	2	0	3	1	0
		2008	17	7	2	0	1	6	0
		2009	11	5	0	1	1	6	2
Papakura	В	2005	13	8	4	0	20	8	1
District		2006	10	5	6	1	14	8	0
		2007	13	5	3	0	18	14	0
		2008	9	6	7	0	11	16	1
		2009	11	2	4	0	18	9	1
Gisborne	C	2005	37	6	3	0	3	13	0
District		2006	36	5	0	0	4	10	1
		2007	33	1	2	1	6	11	1
		2008	43	6	2	0	2	16	0
		2009	32	3	3	0	2	8	0
Hastings	C	2005	77	20	10	3	21	29	1
District		2006	71	25	13	2	20	32	3
		2007	65	25	7	4	22	22	0
		2008	58	13	13	1	15	17	0
		2009	58	16	10	0	17	16	1
Kapiti Coast	C	2005	18	6	3	0	12	6	1
District		2006	20	8	2	1	12	7	0
		2007	10	6	6	0	3	10	0
		2008	18	3		0	5	7	2
		2009	7	4	1	0	7	6	0

Territorial authority	Peer group	Year	Bend - lost control/ head on	Crossing / turning	Overtaking	Pedestrian vs vehicle		Straight - lost control/head on	Miscellaneous
New Plymouth	С	2005	22	13	6	1	12	20	2
District		2006	39	20	4	3	11	15	0
		2007	49	14	5	2	12	17	0
		2008	42	20	2	1	15	14	1
		2009	34	13	1	0	8	11	1
Porirua City	C	2005	17	4	0	0	4	7	0
		2006	18	0	3	0	1	5	0
		2007	17	2	1	0	5	4	0
		2008	6	1	3	0	3	2	0
		2009	21	0	3	1	4	5	0
Rotorua	С	2005	43	6	2	1	13	9	0
District		2006	46	6	2	0	6	12	1
		2007	45	5	3	1	9	24	1
		2008	46	13	2	0	4	13	1
		2009	37	7	5	0	4	11	2
Timaru	С	2005	13	7	2	0	6	10	0
District		2006	11	5	3	0	8	18	1
		2007	19	6	4	1	5	16	1
		2008	13	4	2	0	8	11	1
		2009	12	10	2	1	6	11	1
Upper Hutt	С	2005	18	3	2	0	6	3	0
City		2006	18	6	8	1	1	2	0
		2007	23	6	4	0	10	3	0
		2008	22	4	2	1	10	2	0
		2009	12	3	4	1	5	2	0
Wanganui	С	2005	15	2	5	0	4	4	0
District		2006	14	2	3	0	1	4	1
		2007	15	5	2	2	2	6	0
		2008	18	3	2	1	0	3	0
		2009	12	3	2	0	3	4	0
Whangarei	С	2005	64	11	5	0	6	26	1
District		2006	76	9	4	0	12	25	4
		2007	60	10	4	2	8	22	4
		2008	68	14	3	1	17	21	3
		2009	55	9	2	1	7	17	0

Territorial	Peer		Bend - lost	Crossing /		Pedestrian	Rear end /	Straight - lost	
authority	group	Year	control/ head on	turning	Overtaking	vs vehicle		control/head on	Miscellaneous
Ashburton	D	2005	5	З	1	2	6	6	0
District		2006	10	1	0	0	1	16	0
		2007	5	5	3	2	6	18	2
		2008	9	6	5	0	2	17	0
		2009	9	7	2	0	6	13	2
Far North	D	2005	91	9	7	3	13	27	1
District		2006	112	8	10	7	17	36	2
		2007	140	23	8	3	21	24	1
		2008	102	11	11	3	11	22	0
		2009	88	13	8	1	12	14	3
Franklin	D	2005	75	22	5	1	12	23	3
District		2006	84	28	9	3	15	22	0
		2007	79	11	10	0	22	31	1
		2008	77	21	8	2	16	27	0
		2009	86	15	4	1	19	23	1
Horowhenua	D	2005	20	8	5	0	8	14	0
District		2006	18	13	5	0	7	17	1
		2007	28	8	3	1	8	10	0
		2008	21	13	6	0	8	19	0
		2009	18	7	4	2	5	10	1
Manawatu	D	2005	23	15	4	1	11	11	0
District		2006	32	12	1	1	9	19	0
		2007	33	15	3	2	6	19	1
		2008	24	12	7	2	11	28	0
		2009	24	8	1	3	5	15	1
Marlborough	D	2005	28	7	4	0	9	16	0
District		2006	36	9	3	0	11	17	0
		2007	43	7	6	1	4	15	1
		2008	41	7	6	0	3	12	0
		2009	28	8	6	1	12	11	0
Masterton	D	2005	15	2	0	0	3	5	1
District		2006	26	2	2	0	2	2	0
		2007	15	0	2	0	1	3	0
		2008	10	1	0	1	3	6	0
		2009	13	4	0	0	2	5	1
Matamata-	D	2005	22	6	5	2	4	29	0
Piako District		2006	30	10	3	1	10	24	0
		2007	40	10	4	1	6	22	0
		2008	42	19	4	0	10	23	0
		2009	28	5	6	4	9	22	1
Rodney	D	2005	92	13	13	2	20	21	0
District		2006	94	32	8	2	18	19	3
		2007	101	18	15	1	26	39	3
		2008	114	32	4	3	36	29	3
		2009	123	12	8	1	18	27	1
Selwyn District	D	2005	21	15	3	1	7	28	1
		2006	23	12	5	1	10	20	2
		2007	21	19	6	0	14	30	2
		2008	23	22	3	0	13	30	1
		2009	36	26	3	0	10	26	1

Territorial authority	Peer group	Year	Bend - lost control/ head on	curning	Overtaking	vs venicie	obstruction	Straight - lost control/head on	Miscellaneous
South	D	2005	27	4	3	0	9	14	0
Taranaki		2006	24	1	4	1	7	10	0
District		2007	35	5	3	1	4	10	1
		2008	24	4	2	3	5	13	1
		2009	23	5	2	1	4	10	0
South	D	2005	34	4	1	0	4	15	1
Waikato		2006	28	5	1	1	4	16	0
District		2007	26	9	5	1	6	5	3
		2008	25	6	5	0	5	12	1
		2009	32	6	3	1	2	14	1
Southland	D	2005	82	12	10	1	14	44	3
District		2006	81	7	3	1	13	50	3
		2007	74	10	5	0	15	53	3
		2008	73	13	3	0	13	41	3
		2009	72	14	2	0	8	32	0
Tasman	D	2005	47	11	3	0	11	11	0
District		2006	47	5	7	0	8	8	0
		2007	55	10	10	2	7	15	0
		2008	57	15	7	3	17	16	1
		2009	56	6	3	0	8	8	0
Taupo District	D	2005	38	16	6	1	6	17	0
		2006	48	7	3	0	9	24	1
		2007	56	15	4	0	11	19	1
		2008	54	11	6	0	7	10	1
		2009	59	13	8	0	12	18	1
Thames-	D	2005	40	1	1	0	1	5	1
Coromandel		2006	43	1	1	1	3	5	0
District		2007	43	2	3	0	4	6	2
		2008	38	4	0	0	0	6	1
		2009	34	0	3	0	4	3	0
Waikato	D	2005	84	18	9	2	11	41	2
District		2006	66	22	13	3	21	37	0
		2007	85	18	15	4	20	45	3
		2008	74	25	15	1	15	18	4
		2009	83	17	5	0	14	41	0
Waimakariri	D	2005	20	15	3	0	13	16	1
District		2006	16	13	4	0	11	22	0
		2007	13	12	4	1	12	17	0
		2008	12	10	5	2	8	11	2
		2009	9	16	2	1	7	20	0
Waipa District	D	2005	37	20	4	2	13	18	0
		2006	39	14	3	1	9	21	1
		2007	31	12	3	1	10	17	0
		2008	36	9	6	0	13	17	0
		2009	41	8	8	0	7	14	1
Waitaki	D	2005	30	7	1	1	7	13	0
District		2006	35	3	2	0	8	17	1
		2007	27	7	1	0	8	11	0
		2008	25	7	1	0	4	15	0
		2009	21	1	2	0	12	13	

Territorial authority	Peer group		Bend - lost control/ head on	curning	Overtaking	vs venicie		Straight - lost control/head on	Miscellaneous
Western BoP		2004	32	15	10	4	14	14	
District		2005	32	9	5	4	6	7	
	D	2006	47	14	4	5	9	14	
		2007	62	21	7	2	11	22	3
		2008	46	13	6	0	11	13	0
Whakatane		2004	28	10	3	0	8	11	0
District		2005	16	10	З	1	5	25	1
	D	2006	36	5	2	2	5	4	1
		2007	39	5	4	2	5	14	3
		2008	34	6	4	1	8	12	0
Buller District		2004	19	0	0	0	1	8	0
		2005	18	3	0	0	1	1	0
	E	2006	21	1	0	0	2	6	0
		2007	33	2	3	0	1	7	0
		2008	17	1	0	1	3	6	
Carterton		2004	2	2	2	0	1	3	
District		2005	6	2	2	0	2	5	
	Е	2006	4	2	0	1	1	1	
	_	2007	8	5	2	0	1	8	
		2008	2	3	0	1	2	3	
Central		2000	9	4	3	0	5	7	
Hawkes Bay		2004	16	3	3	0	3	9	
District	Е	2005	16	5	2	0	3	3	
District	-	2000	10	1	1	0	2	6	
		2007	14	5	0	0	2	8	
Control Oto an			33			1	3	20	
Central Otago		2004			6				
District	Е	2005	32	3	5	1	5	20	
	E .	2006	37	4	2	1	4	10	
		2007	37	3	4	0	2	12	
		2008	35	3	0	1	4	13	
Chatham		2004	3	0		0		0	
Island	_	2005	4	0	0	0	0	0	
	E	2006	4	0	0	0		1	0
		2007	3	0	0	0	1	0	
		2008	4	0	0	0	0	0	
Clutha District		2004	45	0	4	0	7	23	
		2005	57	2	5	0		22	1
	E	2006	69	4	3	0		21	1
		2007	48	2	3	1	5	33	
		2008	45	3	3	0	6	6	
Gore District		2004	14	1	1	0	5	9	
		2005	14	4	0	0	2	2	0
	E	2006	15	2	0	0	2	6	0
		2007	10	1	1	1	2	7	1
		2008	15	2	0	0	2	6	0
Grey District		2004	15	1	0	0	2	2	0
		2005	12	3	2	1	0	6	0
	E	2006	12	2	2	0	0	3	
		2007	14	0	3	0	2	2	
		2008	15	0	0	1	0	5	

Territorial authority	Peer group	Year	Bend - lost control/ head on	curning	Overtaking	vs venicie	obstruction	Straight - lost control/head on	Miscellaneous
Western BoP	D	2005	33	9	5	5		7	
District		2006	48	14	4	5	9	14	
		2007	62	21	7	2		22	3
		2008	45	13	6	0	11	14	0
		2009	62	8	8	1	10	23	
Whakatane	D	2005	16	10	3	1	5	25	
District		2006	36	5	2	2	5	4	
		2007	39	5	4	2	5	14	
		2008	35	6	4	1	8	12	
		2009	31	1	0	1	6	13	0
Buller District	E	2005	18	3	0	0	1	1	0
		2006	21	1	0	0	2	6	
		2007	33	2	3	0	1	7	0
		2008	17	1	0	1	3	7	0
		2009	18	1	3	0	4	4	1
Carterton	E	2005	6	2	2	0	2	5	1
District		2006	4	2	0	1	1	1	0
		2007	8	5	2	0	1	8	1
		2008	2	3	0	1	2	3	0
		2009	8	4	0	0	1	0	1
Central	E	2005	16	3	3	0	3	9	0
Hawkes Bay		2006	16	5	2	0	3	3	
District		2007	12	1	1	0	2	6	2
		2008	14	5	0	0	2	8	0
		2009	15	1	1	0	3	7	
Central Otago	E	2005	32	3	5	1	5	20	1
District		2006	38	4	2	0	4	10	
		2007	37	3	4	0	2	12	
		2008	35	3	0	- 1	4	13	
		2009	23	3	3	1	1	15	
Chatham	E	2005	4	0	0	0	0	0	
Island	-	2006	4	0	0	0	1	- 1	0
		2007	3	0	0	0	1	0	-
		2008	- 4	0	0	0	0	0	
		2009	1	0	0	0		0	
Clutha District	E	2005	57	2	5	0		22	
claim broaree	-	2006	69	4	3	0		21	1
		2007	48	2	3	1	5	33	0
		2007	46	3	3	0	6	7	
		2000	46	1	4	1	8	10	
Gore District	E	2005	14	4	4	0	2	2	
Sole District	Ľ	2005	14	2	0	0	2	6	
		2006	10	2	1	1	2	7	
		2007	10		0	0		6	
			15	2					
Care District		2009		2	3	0	4	0	
Grey District	E	2005	12	3	2	1	0	6	
		2006	12	2	2	0	0	3	
		2007	14	0	3	0	2	2	
		2008	15	0	0	1	0	5	
		2009	22	0	2	1	5	7	0

Territorial authority	Peer group	Year	Bend - lost control/ head on	Crossing / turning	Overtaking	Pedestrian vs vehicle	Rear end / obstruction	Straight - lost control/head on	Miscellaneous
Ruapehu	E	2005	27	2	2	0	1	8	0
District		2006	26	1	3	1	8	5	0
		2007	30	2	4	0	5	13	0
		2008	28	0	2	0	2	14	0
		2009	30	1	2	0	0	3	0
South	E	2005	14	0	4	0	0	2	0
Wairarapa		2006	15	1	2	0	2	3	0
District		2007	22	3	0	0	3	6	0
		2008	22	1	1	0	2	1	0
		2009	25	0	1	0	2	2	0
Stratford	E	2005	6	1	1	1	0	3	0
District		2006	14	1	0	0	5	3	1
		2007	11	2	1	2	4	9	0
		2008	11	1	0	0	3	10	0
		2009	9	1	2	1	3	8	0
Tararua	E	2005	28	4	3	0	4	11	0
District		2006	25	2	4	0	6	13	0
		2007	41	3	5	0	3	7	0
		2008	33	1	3	0	2	17	1
		2009	34	2	5	0	1	8	0
Waimate	E	2005	6	0	0	0	2	6	0
District		2006	5	1	0	0	1	5	0
		2007	11	2	2	0	3	12	0
		2008	4	0	1	0	5	10	0
		2009	5	0	0	0	2	9	0
Wairoa	E	2005	26	2	0	1	3	5	0
District		2006	20	0	2	0	2	0	0
		2007	22	2	0	0	3	7	2
		2008	22	2	0	0	1	1	2
		2009	25	1	2	0	2	4	0
Waitomo	E	2005	42	4	3	0	3	4	0
District		2006	45	0	0	0	2	7	0
		2007	40	1	3	1	2	13	1
		2008	30	0	1	0	2	8	1
		2009	25	2	4	0	3	9	0
Westland	E	2005	25	2	1	0	3	7	0
District		2006	23	3	1	0	5	7	0
		2007	20	0	0	0	0	6	0
		2008	22	1	1	1	3	11	0
		2009	29	1	1	0	8	8	0

Urban crashes in factor groups

	Road factors	46 29	53 34	69 23	84 37	33	27 20	32 28	91 47	41 21	28 20	49 15	75 15	88 20	56 22	59 14	8 7	18 12	39 10	23 19	24 19	1 4	11 7	21 2	15 5	21 1	16 16	19 19	28 12	34 18	7
	Vehicle R factors fau	11	22	22	62	15	19	25	10	19	12	5	15	8	~	17	8	7	9	~	5	2	9	9	7	5	9	13	19	24	;
	Cyclist factors	32	26	1 23	3 28	20	7 24	9 37	3 45	7 59	33	8	9	13	16	8	9 12	15	20	18	3 10	7 4	5 6	13	2 6	11	8	1 12	12	11	:
	Pedestrian factors	138	122	74	8	6	67	5	8	- 67	62	32	m	19	m	92	66		m	R	58	17	5	8	27	10	32	54	9	45	
	Disabled / old / ill	20	25	24	21	56	21	24	Я	R	21	12	8	18	14	=	5	-	2	3	5 7	1	4	-	13		4	=	12	22	۶
	t Fatigue	47 32	55 28	80 33	80 36	93 34	1	78 11	7 25	1 23	3 21	34 10	58 12	69 4	56 4	80 7	18 4	26 7	39 4	56	34	8 1	9 4	20 6	32 8	20 5	38	38 36	55 30	66 31	0 0
	Poor judgement	4					61		137	101	10			9							m					2					
	Poor observation	401	406	386	394	409	326	437	545	512	407	206	187	191	193	203	115	124	169	172	151	57	44	98	89	71	157	198	258	217	201
	Poor handling	79	89	94	96	107	47	78	143	114	98	73	67	72	69	82	11	23	28	40	37	17	31	19	21	12	41	52	72	95	32
la concet	Incorrect lane / position	21	17	28	3	20	14	7	9	8	9	14	10	16	4	ы	2	ы	7	ы	4	2	m	E	8	m	7	16	16	16	μ
	Overtaking	72	71	90	93	92	96	128	144	156	125	5	8	45	52	45	16	14	27	45	23	6	11	8	17	17	24	43	72	49	ų,
	Failed to keep left	16	10	19	50	6	9	9	17	15	14	7	4	m	m	7	4	m	7	2	m	2	-	9	m	-	ы	ι Ο	7	12	-
	Failed to give way / stop	306	308	307	315	336	239	338	358	347	300	136	117	122	115	115	80	8	117	127	112	39	36	5	54	46	140	181	188	171	161
	Too fast	79	93	8	8	79	8	67	120	74	3	ន	41	ង	R	\$	22	¥	ន	Ж	8	17	26	ន	19	16	72	94	72	97	g
	Year Alcohol	95	140	103	130	116	92	101	112	104	78	Ж	W	42	8	8	28	%	Ř	Ř	32	6	23	62	23	16	8	135	103	107	107
		2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008 2008	5003	2005	2006	2007	2008 2008	2009	2005	2006	2007	2008	2009	2002	2006	2007	2008	а Ш
	Peer group			∢					⊲					⊲					⊲					⊲					⊲		
	Territorial authority	Auckland City					Christchurch	City				Dunedin City					Hamilton City					Hutt City					Manukau City				

Territorial authority	Peer group	Year	Year Alcohol	Too fast	Failed to give way / stop	Failed to keep left	Overtaking	Incorrect lane / position	Poor handling	Poor observation	Poor judgement	Fatigue	Disabled / old / ill	Pedestrian factors	Cyclist factors	Vehicle factors	Road	Weather
North Shore		2005	40	40	121	2	30	7	28	140	32	8	15	29	10	10	35	16
City		2006	52	52	117	5	36	10	49	163	41	8	14	21	7	12	27	18
	⊲	2007	54	40	94	10	37	21	38	131	33	17	15	17	6	11	88	14
		2008	39	R	26	4	35	9	42	141	62	11	8	28	11	8	52	17
		2009	43	R	95	5	58	6	39	124	25	10	11	34	6	7	52	11
Tauranga		2005	23	2	46	2	9	1	11	68	14	1	2	16	6	m	8	10
District		2006	26	18	33	5	10	2	14	58	8	3	5	17	14	2	9	ε
	⊲	2007	19	19	48	ε	16	1	8	88	11	4	4	14	14	З	14	8
		2008	25	18	34	+	13	1	22	92	£1	٤	8	20	6	9	10	9
		2009	20	23	48	2	14	2	25	75	12	9	8	8	2	4	14	10
Waitakere City		2005	50	59	106	-	55	11	38	115	26	9	9	26	7	6	16	5
		2006	71	68	88	12	25	18	49	110	35	17	10	33	8	14	25	12
	⊲	2007	45	57	112	9	R	7	59	128	21	10	10	20	6	7	24	6
		2008	59	65	107	4	57	9	72	146	εε	17	12	21	11	10	27	17
		2009	72	71	100	4	54	10	84	141	35	12	8	25	2	6	34	8
Wellington City		2005	24	R	95	10	34	11	51	147	27	7	10	74	22	10	17	11
		2006	28	Ř	26	80	27	14	47	135	9¢	S	2	69	17	11	27	1
	₹	2007	34	49	110	11	47	15	46	202	33	8	10	73	26	6	Я М	9
		2008	48	20	107	6	59	23	53	174	28	8	12	73	35	16	27	9
		2009	20	26	93	10	34	13	47	154	41	7	7	23	27	10	27	8
Invercargill City I	8	2005	10	26	77	2	16	1	15	103	14	З	5	6	8	9	16	5
		2006	16	27	124	2	13	5	24	153	26	2	16	6	13	10	37	16
		2007	17	23	80	2	18	m	24	105	28	4	12	8	2	m	29	9
		2008	2	22	84	0	20	0	27	111	82	2	4	9	6	9	90	9
		2009	13	15	22	m	18	1	24	100	16	0	2	5	4	10	18	11
Napier City I	8	2005	15	10	40	1	10	2	11	50	1	4	1	9	7	2	8	5
		2006	17	14	30	2	00	2	15	54	11	0	ß	11	13	9	9	-
		2007	14	16	46	4	6	4	12	62	14	m	7	00	7	6	6	m
		2008	11	9	45	2	10	2	9	56	7	2	4	00	7	7	7	m
		2009	19	14	54	m	7	4	17	84	16	4	13	7	S	4	12	m

Urban crashes in factor groups Peer groups A, B & C

Weather	-	2	0	4	З	6	6	S	m	ы	2	-	m	9	2	2	-	7	2	9	3	Э	ы	0	6	m	3	2	0	0
Road V	-	m	7	8	1	6	7	13	7	6	5	9	сt	Ŋ	0	-	0	S	m	2	9	7	11	8	8	m	-	2	0	~
Vehicle factors	m	2	9	4	2	6	8	7	6	7	-	4	4	-	m	-	m	m	2	0	e	S	9	-	5	4	1	-	-	-
Cyclist factors	7	18	12	9	12	6	10	12	S	7	2	2	0	2	4	4	9	2	5	m	15	11	2	8	13	9	9	m	-	m
Pedestrian factors	12	7	9	8	6	19	12	6	9	Ξ	4	5	9	2	9	7	S	8	7	m	11	14	8	5	15	8	4	4	2	m
/ Disabled	9	2	2	2	m	5	5	7	2	4	2	0	m	4	0	4	2	-	m	2		2	7	7	2	4	ε	2	2	2
Fatigue	0	0	2	1	2	2	e	S	-	9	-	4	4	m	2	-	4	4	4	1	9	-	2	m	4	1	1	m	-	5
Poor judgement	11	4	10	11	7	10	14	11	14	20	5	11	13	11	4	4	0	5	13	7	10	10	27	13	13	7	3	9	9	8
Poor observation	40	48	43	37	40	63	63	60	75	99	19	26	36	40	62	25	26	32	43	22	71	62	ŝ	56	65	17	11	23	20	15
Poor handling	œ	10	12	8	0	15	16	13	6	7	9	8	19	11	11	11	m	m	7	8	14	9	14	8	11	6	11	4	6	5
Incorrect lane / position	-	-	2	3	4	3	8	5	0	5	3	0	2	2	0	4	-	0	3	0	4	2	1	2	0	2	1	-	-	-
Overtaking	9	5	9	11	10	8	12	12	5	2	4	2	8	4	7	-	m	e	5	m	9	9	9	4	9	2	2	4	5	-
Failed to keep left	-	2	m	2	0	4	3	2	-	2	9	2	0	0	0	2	1	-	1	1	5	1	2	5	2	2	2	e	0	2
Failed to give way / stop	27	31	27	31	16	62	73	64	99	46	25	32	33	37	21	19	18	21	23	16	51	22	43	40	47	18	12	16	9	6
Too	œ	9	18	8	4	21	16	21	Ω	₽	5	7	17	8	12	12	7	m	Ξ	14	11	S	17	9	10	=	7	6	9	00
Alcohol	œ	9	17	11	10	18	20	18	16	21	13	16	20	12	14	15	14	1	22	21	21	12	23	13	17	S	9	12	6	7
Year	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Peer group	8					8					8					J					U					C				
Territorial authority	Nelson District					Palmerston	North City				Papakura	District				Gisborne	District				Hastings	District				Kapiti Coast	District			

Urban crashes in factor groups (cont.) Peer groups A, B & C

her	2	4	m	ы	m	2	0	2	-	-	2	2	9	ம	۰0	2	4	2	m	-	-	0	m	4	-	2	4	2	-	2	2	m	4	2	2
Weather						_																													
Road factors	[₽	6	S	ы	S	6	4	4	4	4	S	m	13		4	-	7		ы		2		ι Ο				2	5	00	00	9	9	14	14	4
Vehicle factors	4	m	ω	7	1	2	n	1	ŋ	4	2	2	1	ŋ	-	2	4	ŋ	2	0	2	-	2	2	2	n	-	0	2	m	-	0	4	4	ω
Cyclist factors	7	S	4	2	5	1	m	1	2	2	m	S	6	7	4	m	4	7	m	m	-	S	2	4	4	4	0	m	7	ſ	10	5	7	-	2
Pedestrian (factors f	S	80	6	15	15	S	7	4	S	7	18	14	12	11	5	2	2	2	m	ŋ	80	m	m	m	m	4	4	7	4	2	18	7	16	9	9
d Ped	0	4	10	ы	11	2	4	2	0	2	m	5	9	S	m	0	4	9	m	ы	2	m	0	m	m	m	4	m	ы	5	9	2	1	4	4
Disabled / old / ill			-																																
Fatigue	2	2	2	2	2	2	2	4	ы С	2	S	1	m	m	-	m	2	2	-	m	0	5	-	0	-	-	2	m	-	5	0	-	4	-	m
	9	18	11	6	15	6	14	7	16	7	8	8	10	11	7	-	9	5	14	12	m	-	6	5	7	5	2	2	15	4	S	9	2	16	13
Poor Poor observation judgement	ß	61	67	57	54	24	22	25	8	32	28	40	40	46	32	53	62	Ж	21	98	19	Ω	33	19	8	8	21	Ŋ	ž	8	43	8	8	5	49
Poor handling	16	16	17	17	8	13	17	10	80	6	7	6	14	18	16	9	9	4	10	18	6	9	7	S	4	17	4	7	80	4	Ξ	14	14	14	22
Incorrect lane / position	0	-	4	4	-	9	2	8	9	m	2	2	-	4	m	2	2	G	0	1	2	0	Þ	2	0	m	-	m	2	2	m	0	m	ſ	m
Overtaking	7	8	5	5	8	5	e	7	ষ	Þ	9	7	9	8	2	2	7	m	2	8	m	0	m	2	0	9	00	2	-	ষ	9	2	7	00	13
Failed to keep left	0	2	4	4	4	m	2	0	-	m	0	0	m	1	0	0	-	2	0	1	0	0	0	2	0	2	-	2	-	m	-	-	e	2	1
Failed to give way / stop	40	42	50	37	44	22	19	16	16	21	28	26	24	24	18	18	16	26	17	19	10	10	10	7	14	25	18	2	24	21	29	19	17	24	31
Too I fast	8	15	19	18	6	18	18	19	4	8	15	R	18	17	2	0	7	2	=	6	5	00	8	8	5	12	~	12	12	6	6	20	12	12	55
Alcohol	Ξ	17	12	16	11	12	7	13	16	7	15	28	18	16	14	9	7	ŋ	6	9	7	S	7	4	-	12	₽	12	₽	2	16	16	16	5	19
Year	2005	2006	2007	2008	2009	2005	2006	2002	2008	2009	2005	3006 2	2007	2008	2009	2005	2006	2002	2008	600Z	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2002	2008	2009
Peer group	J					c					J					J					U					J					J				
Territorial authority	New Plymouth	District				Porirua City					Rotorua	District				Timaru District					Upper Hutt City					Wanganui	District				Whangarei	District			

Urban crashes in factor groups (cont.) Peer groups A, B & C

ther	-	-	m	-	0	-	m	4	-	2	-	m	2	m	0	-	0	0	0	0	-	-	0	2	0
Weather	9	-	m	_	m	_	5	-	0	4	4	4	8	5	~	-	4	_	~	2	_	_	m	_	m
Road factors																									
Vehicle factors	-		2	0	-	0	2	2	0	0	2		e	2	۰۵ ا	m	0	1	-	m	~	-	-	-	2
Cyclist factors	-	0	4	4	2	m	2	2	0	0	-	2	4	ъ	-	1	4	9	0	F	0	0	m	2	0
Pedestrian factors	2	0	0	2	-	e	2	8	S	9	5	5	2	4	4	5	8	2	2	9	-	0	0	e	m
/ old / ill	2	2	2	m	0	0	-	0	-	2	0	m	1	-	-	2	1	9	2	7	0	0	0	0	0
Fatigue	0	-	-	0	-	0	-	0	0	-	m	2	m	2	-	2	e	-	-	0	-	2	2	0	0
Poor udgement	2	-	4	-	2	m	5	m	Þ	Þ	-	7	1	m	00	2	1	m	2	m	0	-	-	2	-
Poor observation	Ω	6	18	13	15	11	10	6	9	17	19	21	12	20	56	13	15	17	14	15	7	=	8	7	9
Poor handling c	2	-	7	2	2	2	9	9	8	8	12	9	5	10	7	9	5	2	5	2	9	-	-	0	-
Incorrect lane / position	-	0	0	0	0	2	4	-	-	m	0	2	-	0	0	-	-	0	2	0	0	-	0	0	0
Overtaking	-	2	m	-	4	-	-	m	m	4	4	4	ε	S	4	1	4	9	m	m	0	-	-	-	m
Failed to keep left	0	0	0	0	0	0	-	0	0	0	-	0	1	0	0	0	0	0	0	-	0	0	0	0	-
Failed to give way / stop	₽	7	20	12	13	9	5	9	m	80	80	9	8	15	21	8	2	14	₽	17	80	÷	10	9	4
Too F fast	4	~	8	m	-	7	8	~	7	7	∞	₽	6	9	9	m	10	7	-	9	5	4	-	4	4
Year Alcohol	m	m	9	m	m	11	13	8	9	Ξ	Ś	₽	9	12	9	m	5	S	9	7	-	m	0	S	9
Year	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Peer group	0					0					0					0					0				
Territorial authority	Ashburton	District				Far North	District				Franklin	District				Horowhenua	District				Manawatu	District			

Urban crashes in factor groups (cont.) Peer group D & E

~		m	m	_		m		m	0	0		0	_	4	m	m	4	m	~	4		0	0		_	~	0		_	0
Weather				•			•)		-)	•	7			7			7	0	0						-	-	
Road factors	4	8	3	4	2	2	2	9	1	2	-	1	0	4	0	4	8	10	12	6	0	0	4	-	0	1	0	-	2	2
Vehicle factors	0	m	2	m	2	-	2	2	1	-	0	0	0	0	-	-	S	S	ļ	4	0	0	1	0	0	0	0	1	m	-
Cyclist factors	'n	4	m	m	ŋ	2	-	m	2	'n	m	0	-	2	0	2	4	-	m	-	0	m	-	0	2	-	2	0	0	2
Pedestrian factors	2	8	4	1	4	-	4	6	4	m	0	2	1	9	-	7	6	5	2	5	0	3	2	0	0	0	3	2	4	-
- Fe	~		2	2	0	9	m	0	m	4	-	2	2	0	-	-	4	m	4	m	0	0	0	-	-	0	0	-	0	2
Disabled								-							-	-						-	-			-			-	
Fatigue	0	1	2	3	3	1	1	2	3	1	0	2	0	1	ļ	2	4	3	5	3	0	0	0	2	0	0	1	0	1	2
Poor judgement	9	Э	7	5	9	9	3	3	ε	2	2	2	1	2	-	4	10	13	11	14	1	1	0	-	0	1	3	3	1	2
Poor observation	R	25	29	26	25	21	17	23	30	16	11	2	2	18	E	27	32	25	27	31	3	4	3	6	9	13	7	7	6	14
Poor handling	4	m	m	S	S	7	7	2	S	Ξ	2	4	2	8	m	16	1	16	14	15	1	1	-	-	0	5	5	0	4	2
Incorrect lane / position	4	0	Ω.	4	-	m	-	0	-	0	0	0	-	0	0	-	2	7	9	m	1	0	0	0	0	0	0	0	2	0
Overtaking	S	4	2	1	2	0	3	2	2	0	e	0	1	e	2	5	9	13	4	6	0	0	0	2	0	1	0	0	0	+
Failed to keep left	2	1	4	2	1	0	0	1	2	-	2	1	0	1	0	0	1	0	4	5	0	0	0	-	0	2	2	1	0	0
Failed to give way / stop	22	13	29	27	18	15	16	16	15	19	9	ε	ε	12	7	16	26	14	17	18	3	2	2	9	4	8	4	8	5	6
Too fast	ы	7	9	9	œ	4	7	S	4	9	2	0	2	12	m	16	14	14	13	24	0	0	0	2	~	ы	9	m	4	-
Year Alcohol	2	7	9	6	9	4	ε	9	S	80	0	m	1	7	2	11	15	18	19	22	0	0	1	0	0	4	9	1	m	1
	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Peer group	Δ					0					Δ					0					a					0				
Territorial authority	Marlborough	District				Masterton	District				M atam ata-	Piako District				Rodney District D					Selwyn District					South Taranaki D	District			

Urban crashes in factor groups (cont.) Peer group D & E

	0	-	0	-	-	-	2	-	0	0	-	0	-	0	2	2	m	m	4	-	0	-	~	-	-	0	-	m	2	0
Weather																														
Road factors	-	0	2	m	0	с	4	2	S	m	2	2	0	0	0	4	4	9	ы	£	1	4	0	~	~	0	2	m	4	S
Vehicle factors	-	0	0	З	0	0	0	0	2	m	1	S	1	-	0	0	2	4	4	2	0	0	0	-	0	1	1	-	0	2
Cyclist factors	2	0	2	0	0	0	0	0	0	0	m	4	2	-	2	2	-	2	-	e	е	2	0	0	2	-	1	-	0	m
Pedestrian factors	0	-	2	2	З	1	0	2	1	2	с	4	ε	1	3	3	m	5	9	2	6	1	3	2	m	3	4	5	6	4
Disabled	0	0	-	2	0	-	0	-	2	2	-	2	-	4	1	0	-	0	S	4	2	2	2	2	-	-	0	-	4	m
Fatigue	-	0	2	-	0	+	0	2	0	0	0	1	2	m	2	2	-	m	0	1	0	2	4	0	2	2	ω	0	-	2
Poor judgement	2	2	1	4	2	4	9	5	e	7	9	3	S	m	3	4	-	5	5	7	8	0	4	Ś	m	9	4	-	4	9
Poor observation	m	-	7	7	5	9	9	9	9	œ	10	14	17	10	14	18	8	25	23	16	10	16	12	14	10	10	8	14	12	17
Poor handling	m	0	-	4	4	9	5	7	10	9	m	7	9	9	1	4	7	S	10	10	2	S	S	Ś	7	2	2	m	12	S
Incorrect lane / position	0	-	0	0	0	4	1	1	0	0	1	1	2	1	1	1	0	2	0	1	2	1	1	-	0	2	3		-	-
Overtaking	-	-	0	0	0	-	-	0	0	2	4	-	4	m	2	2	5	m	-	e	2	e	0	2	9	0	9	0	5	2
Failed to keep left	0	0	0	0	0	0	0	0	0	0	0	1	3	1	0	1	0	0	1	0	1	1	0	2	0	0	0	2	-	0
Failed to give way / stop	m	m	4	7	3	5	4	4	0	S	7	13	16	7	10	12	2	13	17	16	7	10	11	Ξ	9	5	9	12	6	12
Too fast	7	2	2	2	m	m	9	2	4	m	-	2	ε	m	ε	10	∞	4	9	4	8	4	m	ы	m	7	8	2	7	4
Year Alcohol	4	-	4	5	9	Ω	2	9	S	4	+	ε	1	m	4	12	m	4	10	6	7	S	9	15	5	1	4	4	9	10
	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Peer group						0										D					0					0				
Territorial authority	South Waikato D	District				Southland	District				Tasman District D					Taupo District					Thames-	Coromandel	District			Waikato	District			

Urban crashes in factor groups (cont.) Peer group D & E

	~	0		0	-	~	~	ы	m	-	m	2	m	-	0	-	0	-	-	-	-	2	4	4	~	0	0	2	0	0
Weather																														
Road factors	-	0	-	2	m	5	2	4	5 S	9	2	m	4	ы	5	0		-	-	-	2	-	2	4	9	-	-	m	0	-
Vehicle factors	0	0	1	2	-	-	0	0	2	m	2	с	-	2	-	1	2	2	2	0	З	2	ς.	2	-	0	1	0	-	0
Cyclist factors	0	-	0	0	0	-	2	4	-	m	9	3	2	1	4	0	2	0	0	m	2	-	1	1	1	0	0	0	-	-
Pedestrian factors	2	-	2	2	0	-	9	4	m	9	5	4	0	1	4	2	-	9	-	-	1	4	+	+	2	0	0	1	0	0
Disabled / old / ill	-	-	2	0	2	2	4	е	0	0	1	1	4	0	-	0	0	0	-	-	0	-	2	m	-	0	0	0	0	-
Fatigue	-	0	0	-	2	-	9	m	m	Ŧ	1	0	-	2	0	0	-	-	2	-	2	4	2	2	-	0	0	0	0	0
Poor judgement	4	2	9	4	3	m	2	5	4	4	1	3	Ŋ	11	4	2	m	2	ε	-	1	2	ε	1	8	0	1	1	m	-
Poor observation	12	7	15	17	14	14	16	20	82	55	20	22	ୟ	20	19	9	5	9	6	9	7	8	12	13	13	7	5	4	2	2
Poor handling	0	2	4	9	7	2	2	4	m	7	2	2	9	6	9	2	2	m	m	9	ε	-	e	9	16	2	2	2	2	2
Incorrect lane / position	0	1	0	0	1	0	0	1	2	1	1	0	-	0	0	1	0	0	0	0	1	0	2	3	0	0	0	0	1	0
Overtaking	-	0	8	4	3	5	5	2	m	S	1	1	m	5	9	0	-	-	m	0	2	0	4	4	-	0	0	1	0	0
Failed to keep left	0	0	0	0	0	0	0	0	0	-	0	0	0	1	0	0	0	0	1	2	0	0	0	1	0	1	0	0	0	0
Failed to give way / stop	9	5	5	14	7	12	16	15	24	20	10	6	18	15	12	3	Ś	4	7	2	3	6	5	2	6	7	5	3	1	3
Too fast	9	0	ы	m	7	m	4	4	7	m	2	4	7	9	9	9	-	-	8	4	5	m	4	m	10	0	4	2	2	-
Year Alcohol	5	2	m	7	9	5	5	9	2	4	4	ε	7	4	4	5	m	m	8	4	5	2	7	4	8	0	4	2	4	-
	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Peer group	_					_					0					٥					0					ш				
Territorial authority	Waimakariri	District				Waipa District					Waitaki District D					Western BoP	District				Whakatane	District				Buller District				

Peer g																														
Weather	0	0	0		0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	+	0	+	0
Road factors	0	0	0	0	1	1	-	0	0	-	2	3	-	2	0	0	0	1	0	0	0	1	0	4	0	1	3	-	З	-
Vehicle factors	0	0	0	0	0	0	0	0	0	0	2	-	0	0	0	0	0	-	0	0	0	0	0	0	1	2	0	0	2	0
Cyclist factors	+	0	-	-	0	0	0	2	0	0	-	2	t	+	0	0	0	0	0	0	2	1	0	0	0	2	З	0	1	0
Pedestrian factors	-	0	-	2	-	0	0	0	-	-	-	2	0	-	-	0	0	0	0	0	3	1	2	2	1	Ω	1	0	2	-
/ old / ill	0	0	0	0	-	0	-	1	2	0	0	-	0	-	0	0	0	0	0	0	2	0	-	0	0	2	m	0	-	0
Fatigue	0	-	0	0	0	0	0	1	0	-	0	0	-	-	0	0	0	0	0	0	1	0	2	0	1	0	0	0	0	-
Poor judgement	2	0	-	-	-	-	-	1	0	2	m	2	1	3	1	0	0	0	0	0	1	1	2	1	2	0	2	4	4	m
Poor observation	1	2	4	5	2	1	Ω.	4	-	2	10	10	9	4	11	0	0	0	0	0	6	15	5	8	7	11	10	9	10	80
Poor handling	-	-	0	0	-	2	-	e	-	0	m	4	-	2	2	0	0	0	0	0	1	ß	m	2	2	2	1	0	m	7
Incorrect lane / position	0	0	0	0	0	2	0	1	0	0	0	0	-	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	-	0
Overtaking	0	0	m	0	0	2	-	0	0	0	2	-	2	-	2	0	0	0	0	0	0	1	0	2	1	2	1	2	-	m
Failed to keep left	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	2	0	1	1	0
Failed to give way / stop	0	2	m	2	2	2	2	2	2	1	80	9	4	2	S	0	0	0	0	0	3	9	б	2	4	5	10	4	S	4
Too fast	-	2	-	0	2	m	m	2	0	m	-	m	0	m	0	0	0	0	0	0	1	2	-	-	2	m	-	2	-	-
Year Alcohol	0	-	2	-	1	7	m	2	2	m	-	2	2	2	2	0	0	0	0	0	1	1	m	2	1	Ω	2	0	2	4
	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Peer group	ш					ш					ш					ш					ш					ш				
Territorial authority	Carterton	District				Central Hawkes E	Bay District				Central Otago	District				Chatham	Island				Clutha District					Gore District				

			-					m	~											_		_	-	-						
Weather	0	-	-	-	0	0	0	e	2	0	0	0	0	0	0	0	0	0	0	0	0	0	Ļ	Ļ	-	0	0	0	0	-
Road factors	0	0	2	0	m	2	-	-	-	-	0	-	-	0	-	0	0	0	0	0	0	2	-	m	-	0	0	0	0	0
Vehicle factors	0	1	m	-	1	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	-	0	4	1	1	0	1	1	0	0
Cyclist factors	-	0	0	0	-	0	0	1	0	0	0	0	0	0	0	0	-	0	1	0	0	1	1	0	1	1	0	0	0	0
Pedestrian factors	0	1	0	-	0	0	2	1	ε	1	2	0	1	1	0	0	0	0	0	1	2	2	ε	1	1	1	0	0	0	0
Disabled /	-	m	0	0	0	0	0	2	0	2	0	0	0	0	0	0	-	-	0	0	0	0	1	1	2	0	0	0	0	-
Fatigue	0	1	2	0	0	1	0	e	1	2	0	2	m	0	0	0	0	-	0	1	0	0	ε	1	0	0	1	1	-	0
Poor judgement	1	5	4	ŋ	7	2	0	0	1	1	0	0	2	1	0	0	1	0	0	2	0	0	1	3	2	0	0	0	0	2
Poor observation	9	4	8	14	7	5	2	7	10	12	1	1	2	4	0	0	0	2	1	2	2	7	9	ε	5	0	1	2	0	2
Poor handling	2	е	m	m	4	m	0	4	е	1	0	0	5	0	0	0	0	-	0	2	2	0	4	5	4	0	1	1	2	4
Incorrect lane / position	0	1	2	1	2	0	0	2	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	3	0	0	0	0	0	0
Overtaking	0	-	0	0	0	-	0	0	0	-	-	-	0	0	0	0	0	0	0	1	2	1	+	0	1	0	0	1	0	0
Failed to keep left	0	0	1	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0
Failed to give way / stop	m	5	4	12	4	2	2	9	2	9	0	1	1	2	0	0	0	0	0	0	4	6	1	4	1	0	0	1	0	-
Too fast	~	m	1	4	ы	4	0	m	m	-	1	0	2	-	0	0	-	0	0	2	2	2	ς Γ	m	m	0	2	1	-	m
Year Alcohol	-	2	2	£	£	2	-	£	-	0	0	-	2	2	0	0	0	0	0	S	0	3	2	2	4	0	2	ε	e	2
Year	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2002	2008	2009	2005	2006	2007	2008	2009
Peer group	ш					ш					E					E										Ш				
Territorial authority	Grey District					Hauraki District E					Hurunui	District				Kaikoura	District				Kaipara District E					Kawerau	District			

						0	0		0	_	_	0	_	0	0	_	_	ம	~	_		0	_	_	0		0	0	0	
Weather								-				0	•							•	-	0					0		0	
Road factors	0	0	0	0	1	2	0	0	1	4	0	1	1	0	0	5	12	9	10	8	0	0	0	1	1	0	1	3	1	2
Vehicle factors	0	-	0	0	-	0	-	-	2	m	0	-	0	0	0	-	4	4	-	m	0	0	-	0	-	0	-	0	2	-
Cyclist factors	0	0	0	0	0	0	0	0	0	0	-	0	0	0	-	-	m	-	m	-	-	0	0	0	-	0	0	-	-	0
Pedestrian factors	0	0	0	0	0	1	1	2	0	2	0	1	0	0	-	ŋ	9	2	1	2	-	0	0	2	2	0	1	2	0	2
Disabled / old / ill	0	0	0	0	0	0	0	0	-	-	-	0	0	0	0	2	2	2	0	0	0	0	0	0	2	-	1	0	-	0
Fatigue	0	-	2	0	-	0	-	0	0	0	0	0	-	0	0	-	0	2	-	-	0	-	0	0	0	0	0	2	0	0
	0	2	0	-	m	0	-	-	2	-	0	0	0	-	0	2	8	10	5	7	-	0	-	-	0	0	-	m	2	2
Poor observation judgement	m	-	0	m	2	2	+	2	5	4	2	2	4	5	-	15	15	25	14	20	4	2	5	5	5	+	5	2	2	4
Poor handling	0	4	-	-	e	+	+	З	e	4	2	2	2	t	t	8	13	10	7	19	0	1	0	0	t	+	1	2	4	0
Incorrect lane / position	0	-	0	-	0	0	0	0	0	0	0	1	0	0	0	e	0	3	1	0	1	0	0	1	0	1	1	-	1	-
Overtaking	-	0	0	-	0	0	0	0	0	2	0	-	0	0	0	5	e	2	6	S	0	0	-	0	-	0	0	0	0	0
Failed to keep left	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Failed to give way / stop	0	-	0	-	0	2	2	1	e.	2	-	1	2	9	0	9	5	8	8	10	3	0	e.	1	e.	1	1	1	1	4
Too fast	0	-	0	0	-	m	m	-	2	ы	2	m	m	0	0	9	9	6	2	6	0	-	-	2	2	-	2	4	2	2
Year Alcohol	2	0	2	0	0	ε	ε	-	-	7	-	4	S	0	0	6	4	14	2	8	-	-	0	0	m	-	4	1	2	2
	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Peer group	ш					tΕ					ш					ш					Ш					ш				
Territorial authority	MacKenzie	District				Opotiki District E					Otorohanga	District				Queenstown-	Lakes District				Rangitikei	District				Ruapehu	District			

Territorial authority	Peer group	Year A	Year Alcohol	Too F fast	Failed to give way / stop	Failed to keep left	Overtaking	Incorrect lane / position	Poor handling	Poor Poor observation judgement	Poor judgement	Fatigue	Disabled / old / ill	Pedestrian factors	Cyclist factors	Vehicle factors	Road	Weather
South	ш	2005	-	0	Μ	0	0	0	-	4	-	0	0	0	0	2	0	0
Wairarapa		2006	-	-	3	0		0	-	3	0			0		0	0	0
District		2007	-	-	1	0	-	0	0	2	0	-	0	0	0	0	-	0
		2008	0	0	2	0	0	0	2	1	1	0	2	0	0	1	0	0
		2009	2	0	2	0	2	0	1	1	1		1	0	0	0	0	0
Stratford	E	2005	-	0	1	0	2	0	0	-	0	0	0	0	0	0	0	0
District		2006	-	-	-	0	2	0	0	2	-	-	0	0		+	0	0
		2007	2	2	m	0	2	0	m	4	1	0	-	0		0	-	0
		2008	-	-	9	0	0	0	0	2	0		-	1	0	0	m	0
		2009	-	-	2	0	0	0	0	5	0	0	0	2	1	0	-	0
Tararua District E		2005	m	2	m	0	-	2	m	4	0		0	2		0	0	-
		2006	S	2	9	0	-	0	m	S	0		0	-	2	-	-	-
		2007	0	-	2	0	-	0	-	7	1	0	0	1	0	2	-	-
		2008	m	0	9	0	0	0	1	9	1		2	2		2	0	0
		2009	2	0	2	0	-	0	2	9	1			0		0	0	-
Waimate	Ш	2005	-	2	2	0	0	0	-	2	-		-	0		0	0	-
District		2006	0	0	-	0	0	0	-	-	0	0	-	0	0	0	0	0
		2007	0	0	ε	0	0	0	1	4	2		0	0		1	-	0
		2008	0	0	1	0	0	0	0	9	1		1	0	0	0	0	0
		2009	-	-	1	0	0	0	2	1	0	0	0	0	1	0	0	0
Wairoa District B	Ц	2005	0	-	4	0	0	1	-	7	1		0	0	1	0	0	-
		2006	2	-	m	0	0	0	1	3	1	1	0	0	0	1	1	0
		2007	S	4	m	-	-	-	2	4	0	0	0	-	-	0	0	0
		2008	-	1	1	0	0	1	1	3	0	0	0	2	0	0	0	0
		2009	6	0	2	0	1	0	ε	4	0	-	1	0	0	1	0	0
Waitomo	Ц	2005	-	-	7	0	2	-	-	9	-	0	-	1	0	0	-	0
District		2006	m	2	0	0	0	0	1	4	0	0	0	1	0	0	1	-
		2007	-	2	-	0	0	0	-	-	-		0	-	0	0	0	0
		2008	-	2	-	0	0	0	0	-	0		0	0		0	2	-
		2009	2	0	m	0	-	0	-	S	-	-	0	2		-	0	2
Westland	Ц	2005	-	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0
District		2006	0	2	2	0	0	0	m	2	0	0	0	0	0	0	0	0
		2007	2	m	-	0	0	0	2	-	2	-	0	0	0	0	0	0
		2008	0	0	0	0		0	m	-	1			0		0	0	0
		2009	0	0	m	0	0	-	0	2	-	0	0	+	-	0	0	0

Rural crashes in factor groups Peer groups A, B & C

Weather	6	8	7	4	7	S	2	6	З	m	10	9	14	19	4	1	1	ω	2	2	1	0	1	m	m	2	6	4	7	9
Road W	22	14	11	13	11	14	8	16	8	₽	33	23	23	49	29	2	1	10	4	9	ŋ	ŋ	11	16	10	14	12	26	7	18
Vehicle factors	đ	14	6	11	11	4	S	4	4	m	10	7	10	7	Э	1	0	9	2	2	e	S	2	4	m	7	9	8	10	80
Cyclist factors	-	0	0	0	0	m	2	ε	2	m	0	2	0	0	1	-	0	0	0	0	0	0	0	2	0	0	1	0	2	-
Pedestrian factors	0	m	0	0	0	-	-	0	2	-	2	2	0	0	1	0	0	0	0	2	0	0	0	0	-	0	1	1	2	2
Disabled / old / ill	m	m	9	8	9	4	2	3	6	-	4	2	9	8	2	0	0	2	1	1	0	0	0	m	0	5	З	4	2	4
Fatigue	7	7	6	10	З	8	0	5	1	2	8	7	10	10	8	2	4	2	0	1	1	5	5	2	1	9	5	7	4	6
Poor judgement	13	7	12	21	26	12	14	15	13	10	16	21	31	23	28	4	0	9	4	4	8	9	6	80	7	13	15	19	23	22
Poor observation	82	52	97	66	67	36	29	36	41	31	34	23	62	28	36	10	15	16	17	18	12	15	19	16	22	59	43	47	46	44
Poor handling	24	27	29	42	22	16	26	29	20	24	50	Я	48	61	50	-	1	7	7	6	10	10	13	15	7	28	39	45	34	41
Incorrect lane / position	98	86	101	82	88	9	11	13	13	14	18	10	14	8	11	m	5	4	4	8	7	6	6	10	6	25	36	38	37	36
Overtaking	2	4	-	Ω	0	3	2	3	5	0	2	9	1	2	5	-	1	1	1	-	1	+	+	2	e	4	1	4	0	-
Failed to keep left	1	1	1	0	1	5	1	З	2	2	12	10	9	2	5	0	4	1	1	0	1	0	2	0	0	9	4	1	Э	2
to give way /	2	1	0	0	0	25	16	20	21	17	4	4	4	9	9	6	7	10	8	9	2	6	4	6	m	10	16	10	12	11
Too fast	R	41	23	27	28	20	9	17	19	13	36	20	27	27	23	2	4	15	5	7	10	10	20	17	7	40	29	32	25	26
Alcohol	24	31	32	25	25	12	10	10	14	10	15	8	10	15	10	4	4	8	7	8	ε	9	13	7	m	24	27	19	24	23
Year	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Peer group			∢					∢					∢					⊲					⊲					∢		
Territorial authority	Auckland City					Christchurch	City				Dunedin City					Hamilton City					Hutt City					Manukau City				

Weather	1	m	2	2	4	0	1	0	-	2	1	2	m	7	2	-	2	9	2	m	9	4	m	4	0	0	0	0	0	2
Road M	8	9	6	8	6	9	-	2	ŋ	4	6	10	00	14	8	12	10	19	9	13	10	14	13	ы	6	4	0	4	2	-
Vehicle factors	2	2	4	ε	m	0	-	2	2	0	m	2	-	4	1	ы	m	11	7	4	4	8	m	-	-	-	2	0	4	0
Cyclist factors	0	0	0	0	0	-	0	0	0	2	1	0	-	0	1	-	-	4	4	1	0	0	0	0	-	0	1	-	-	0
Pedestrian factors	0	1	-	0	0	0	-	0	0	0	1	0	-	-	0	-	1	-	1	1	0	0	-	0	0	0	1	2	-	0
Disabled / old / ill	0	4	2	2	2	2	0	2	0	2	1	1	2	2	1	1	1	1	2	5	0	4	1	4	-	1	1	0	2	4
Fatigue	2	4	2	2	1	0	2	0	m	-	2	2	4	2	1	2	-	2	2	4	7	0	-	0	4	1	0	2	2	1
Poor judgement	4	6	8	8	12	-	с	-	9	4	5	4	S	8	8	2	9	9	2	8	9	10	6	9	9	с	3	ω	8	2
Poor observation	28	32	37	33	48	9	4	10	10	6	17	17	16	22	16	16	21	28	21	18	17	15	11	₽	16	12	8	13	12	17
Poor handling	8	14	6	8	6	2	S	'n	10	9	21	15	8	21	24	18	16	18	15	11	14	15	80	6	10	9	4	8	4	2
Incorrect lane / position	30	24	29	33	43	9	2	2	9	-	6	11	16	14	20	6	22	17	19	25	7	m	S	-	4	2	2	1	S	1
Overtaking	0	-	4	2	1	-	0	m	-	0	1	0	2	-	2	-	0	-	1	0	5	-	0	-	0	-	2	2	-	-
Failed to keep left	1	0	2	0	1	2	-	m	-	-	4	2	m	2	0	0	-	m	2	0	m	0	2	0	-	1	1	0	4	5
Failed to give way / stop	2	4	2	2	2	m	m	1	2	m	5	3	4	10	4	1	m	2	0	1	9	6	m	m	7	8	6	9	ы	7
Too fast	11	13	3	15	10	S	8	m	6	S	23	16	15	15	20	17	13	10	23	9	11	13	8	S	2	2	4	S	7	3
Alcohol	4	9	7	6	11	5	5	6	5	9	14	5	2	14	10	3	2	3	10	8	5	4	4	2	5	3	6	4	9	4
Year	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Peer group			∢					⊲					₹					⊲					8					۵		
Territorial authority	North Shore	City				Tauranga	District				Waitakere City					Wellington	City				Invercargill	City				Napier City				

Rural crashes in factor groups Peer groups A, B & C

		_						_				_		~ .	_			_	~ .	_						~ .	_	_	~ .	
Weather	2	0	-	-	2	m	2	0	2	2	2	0	1	2	0	2	1	0	2	4	5	8	9	m	-	2	0	0	2	-
Road factors	4	8	7	4	0	9	7	1	2	2	6	1	7	10	ε	6	6	8	6	13	29	21	16	18	đ	5	80	ω	m	4
Vehicle factors	1	2	1	1	2	3	1	2	3	5	5	4	4	7	3	3	4	6	5	2	8	15	11	7	8	З	2	1	m	0
Cyclist factors	0	0	0	0	-	1	m	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	4	e	2	1	0	2	-	0
Pedestrian factors	0	0	0	-	-	0	0	0	0	1	0	-	0	0	0	0	0	1	0	0	2	ε	ε	-	0	0	-	0	0	0
Disabled / old / ill	-	-	-	1	-	0	2	0	2	0	2	0	e	m	2	0	0	0	ß	0	5	9	5	m	5	1	m	2	S	-
Fatigue	0	m	-	2	0	7	2	0	-	4	2	m	9	7	m	11	13	4	11	7	19	12	12	17	10	9	S	5	Ŋ	m
Poor judgement	-	2	-	7	0	4	ε	2	9	4	1	9	4	7	5	5	e	4	9	9	16	21	17	23	17	10	4	4	S	7
Poor observation	10	1	3	8	9	12	8	8	12	10	16	18	15	12	14	20	13	11	11	8	47	55	39	33	40	15	17	9	9	7
Poor handling	4	6	4	9	4	14	11	2	12	4	6	7	11	13	6	24	24	16	27	16	63	62	42	28	27	14	15	9	11	m
Incorrect lane / position	1	2	0	2	m	ω	ω	Э	1	0	15	13	10	13	14	1	1	Э	2	2	6	9	12	ε	S	7	10	4	m	4
Overtaking	0	e	0	0	0	-	1	1	1	0	2	2	1	2	1	1	0	2	2	3	8	6	6	5	7	З	ω	З	2	2
Failed to keep left	2	1	1	1	1	1	1	3	5	1	3	0	2	1	1	8	5	9	4	1	20	11	15	10	Ω	4	З	6	4	-
Failed to give way / stop	4	1	m	ε	0	9	6	м	9	5	8	m	S	9	1	S	9	1	5	2	20	23	24	12	17	7	7	5	2	4
Too fast	7	6	m	4	4	Ŋ	7	1	6	ы	8	m	11	Ŋ	9	13	8	11	17	8	Ж	39	27	28	8	6	8	4	ω	4
Alcohol	m	2	2	4	0	5	9	1	ε	5	6	9	9	10	8	16	10	17	15	20	18	24	23	15	19	5	S	2	7	-
Year	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Peer group			8					8					8				. 4	U					U	. 4				U	. 4	. 4
Territorial authority	Nelson	District				Palmerston	North City				Papakura	District				Gisborne	District				Hastings	District				Kapiti Coast	District			

Rural crashes in factor groups (cont.)

Peer groups A, B & C

		Ju			~	_	_	_						_		_											_		_					_	
Weather	2	0	1	4	m	0	0	0	1	-	2	ε	4	9	ы	m	2	2	0	0	-	0	m	σ	2	1	2	0	2	0	7	9	9	11	7
Road factors	14	14	16	12	10	8	S	1	2	5	13	16	21	17	33	6	S	4	7	4	11	m	9	11	4	5	6	9	9	4	19	33	29	32	16
Vehicle factors	6	9	9	12	6	S	2	1	0	2	e	5	5	4	ŋ	-	4	ß	0	1	2	4	4	5	1	1	-	m	2	+	5	10	14	6	9
Cyclist factors	0	1	1	0	0	1	0	1	0	0	1	0	1	0	0	0	0	1	2	0	0	2	2	2	0	0	-	0	0	0	0	0	0	0	-
Pedestrian factors	1	m	1	0	0	0	0	0	0	-	1	0	1	0	0	0	0	1	0	2	0	1	0	1	0	0	0	2	-	0	0	0	2	-	-
Disabled / old / ill	2	2	6	1	1	2	2	0	0	1	m	4	2	ŋ	-	1	m	0	1	1	1	1	m	2	0	1	0	-	0	0	7	9	2	9	6
Fatigue	80	6	12	12	4	2	-	4	2	m	14	6	12	11	4	4	m	6	2	9	m	2	-	0	-	4	m	m	4	2	18	20	12	11	16
Poor judgement	80	12	11	10	15	2	S	m	2	10	9	9	15	16	15	9	7	9	13	11	1	4	7	2	m	2	m	4	9	ы	4	21	11	11	15
Poor observation	28	28	29	27	20	12	S	10	3	9	22	14	19	18	14	19	19	15	10	19	10	10	11	6	9	6	m	œ	9	10	20	23	21	37	23
Poor handling	28	28	15	22	19	14	17	4	2	8	7	10	34	62	щ	9	14	21	16	21	10	13	11	10	7	12	12	ы	6	7	24	33	42	41	R
Incorrect lane / position	10	5	5	7	1	9	0	4	4	2	9	6	10	10	10	2	4	5	6	2	4	Θ	4	8	2	0	2	2	2	m	3	5	12	8	12
Overtaking	4	2	2	1	2	0	m	0	0	0	1	1	0	2	m	2	2	1	0	2	0	2	0	0	m	4	0	2	0	-	2	1	4	2	-
Failed to keep left	S	8	11	6	Э	2	1	4	1	1	1	8	4	7	m	m	5	2	0	0	2	5	m	ω	0	2	4	4	2	m	13	9	7	7	4
Failed to give way / stop	15	19	12	20	9	2	0	1	1	0	4	6	6	11	9	8	4	4	m	9	m	5	9	4	m	9	2	4	m	m	10	8	8	14	9
Too fast	12	16	20	15	14	12	9	6	Μ	15	26	26	5	ы	ත	ü	9	14	10	8	7	7	13	10	9	ы	ω	00	2	4	32	32	27	40	8
Alcohol	7	13	13	11	11	1	9	6	1	9	12	14	14	17	6	7	8	9	4	9	4	2	0	9	m	9	m	4	m	ŋ	24	22	19	17	21
Year	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Peer group			U					U					U					U					υ					U		-			U		
Territorial authority	New Plymouth	District				Porirua City					Rotorua	District				Timaru	District				Upper Hutt	City				Wanganui	District				Whangarei	District			

	-		4	~	ы	ம	9	17	12	Ξ	9	Ξ	12	₽	ம	0	0	2	-	-	-	9	\sim	0	ы
Weather								1	ļ	Ļ		ļ	ļ	Ļ	-										
Road factors	9	5	8	5	6	25	34	59	50	34	18	35	52	28	32	11	7	2	8	6	7	10	9	13	10
Vehicle factors	1	-	7	4	6	9	11	11	7	10	7	8	17	10	Ξ	4	5	8	-	4	ы	7	m	ε	2
Cyclist factors	0	0	0	-	0	-	0	0	0	-	0	2	1	0	-	0	0	0	-	0	2	0	0	-	0
Pedestrian	2	0	-	0	0	2	9	Ω.	e	1	-	e	1	1	-	0	0	0	0	2	-	1	2	2	m
Disabled / old / ill	1	1	1	1	1	5	7	5	4	2	9	4	9	9	2	m	1	2	1	2	0	2	4	2	4
Fatigue	2	9	m	4	-	6	20	14	11	16	1	14	10	12	8	7	13	6	6	m	5 S	0	12	10	4
Poor judgement	Э	5	7	12	8	10	21	40	23	19	8	22	21	17	26	4	2	4	15	4	4	7	10	6	2
Poor observation	9	4	16	16	15	25	29	41	30	25	31	30	41	47	34	13	23	18	19	12	ୟ	26	21	32	19
Poor handling	9	11	7	17	22	R	62	86	3	52	Я	47	99	61	67	19	13	16	16	11	19	Ŋ	19	ы	Ω
Incorrect lane / position	5	1	m	m	1	8	15	16	10	15	7	19	17	15	2	9	9	4	8	2	6	m	2	1	m
Overtaking	1	0	0	4	2	4	4	4	8	5	0	7	9	4	2	2	1	3	4	1	4	2	2	4	0
Failed to keep left	3	5	9	0	1	9	17	14	10	10	7	7	8	7	8	9	5	4	5	3	S	ε	9	9	2
Failed to give way / stop	3	0	S	4	7	11	10	22	10	10	22	25	6	21	đ	S	13	4	9	9	5	11	15	10	6
Too fast	5	7	7	7	7	52	48	23	45	8	34	32	36	42	8	0	10	12	10	16	12	11	21	16	10
Alcohol	с	9	9	7	6	37	49	44	41	27	25	19	31	34	26	7	5	10	12	13	đ	9	14	11	6
Year	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Peer group			0		-	-	-	0	_	_	_		0			_		0		_	_		0	_	
Territorial authority	Ashburton	District				Far North	District				Franklin	District				Horowhenua	District				Manawatu	District			

<u> </u>	~	~	0	-	~		\sim	0	0	~	2	9	ω	ы	9	9	ы	μ	-	ი	m	2	m	ω	~	m	2	-	-	~
Weather																		-	-											
Road factors	8	10	14	6	7	5 S	9	5 S	ы	4	9	10	11	18	11	27	52	22	48	ß	2	m	15	15	18	=	8	10	12	6
Vehicle factors	4	5	10	4	S	2	-	1	0	4	4	9	m	4	m	10	11	С С	16	11	1	7	6	ŋ	9	7	2	7	4	2
Cyclist factors	0	2	-	0	-	0	0	0	1	-	0	0	1	0	0	0	0	0	0	0	0	1	2	0	0	0	1	0	0	-
Pedestrian (factors f	0	0	-	0	-	0	0	0	1	0	3	-	1	0	4	1	2	-	2	1	1	1	0	0	0	0	1	1	e	-
Disabled / old / ill	ъ	-	4	m	m	0	-	0	0	2	4	4	5	S	2	ε	7	6	8	12	4	9	4	4	m	2	ε	ε	-	m
Fatigue	1	12	19	9	9	4	m	S	m	2	10	6	16	6	14	11	12	16	16	16	8	9	S	8	11	8	9	m	4	7
Poor judgement	80	10	13	8	7	m	m	-	m	7	10	13	14	17	6	16	25	25	40	34	8	12	17	10	19	7	9	10	8	9
Poor observation	23	20	14	12	21	9	7	2	2	5	20	11	20	35	15	31	46	Ř	64	29	29	23	32	32	89	14	12	12	11	13
Poor handling	21	21	23	31	18	9	12	S	G	ŋ	16	17	27	36	27	38	42	50	59	65	20	21	25	22	31	22	17	16	15	7
Incorrect lane / position	10	4	5	m	m	-	2	0	1	2	5	2	6	10	8	7	11	21	22	15	9	2	16	сt	6	m	2	m	ŋ	-
0 overtaking	0	2	4	2	9	0	2	2	0	0	1	2	1	m	5	8	m	7	2	6	S	0	9	2	-	2	2	0	0	1
Failed to keep left	6	5	8	ŋ	e	4	4	m	0	0	e	2	e	4	4	6	8	13	11	14	4	2	0	0	5	8	5	4	4	0
Failed to give way / stop	ы	10	8	8	6	4	2	0	1	m	9	10	6	19	4	14	62	17	31	11	16	6	17	22	27	ŋ	0	4	ŋ	S
Too fast	6	11	18	19	12	ŋ	7	8	4	8	11	24	56	Ю	14	42	42	45	53	51	12	12	0	17	22	16	6	17	14	8
Alcohol	10	12	13	10	10	2	ы	2	ŋ	m	12	13	15	11	13	34	33	R	50	35	13	10	18	10	18	10	11	13	6	15
Year	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Peer group			0				•	0				•	0				•	0					0					0		
Territorial authority (Marlborough	District				Masterton	District				M atam ata-	Piako District				Rodney	District				Selwyn District					South	Taranaki	District		

	m	4 P	4	4	4	2	12	≘	~	16	2	-	4	9	\sim	6	m	-	12	4	4	m	m	ம	9	0	12	16	16	16
Weather						-	-	-		-								Ξ	-								-	-	-	-
Road factors	9	15	11	5	19	48	58	58	33	35	7	13	15	18	20	15	22	30	14	27	13	17	16	13	15	24	31	45	52	31
Vehicle factors	2	m	m	4	6	15	12	11	10	8	13	6	10	8	S	4	4	6	6	7	1	2	5	9	2	m	4	14	S	9
Cyclist factors	0	0	0	0	0	0	0	0	0	0	-	2	0	4	0	0	-	0	-	2	0	0	-	-	-	0	-	m	m	0
Pedestrian (factors f	0	-	-	-	-	-	1	0	0	0	0	0	2	m	0	1	-	0	0	0	0	0	0	0	0	m	е	4	-	0
Disabled F	-	m	2	9	-	5	9	m	4	-	2	2	m	4	2	-	0	-	2	7	m	2	2	m	4	7	5	8	m	'n
Fatigue	8	12	7	6	10	11	16	20	21	15	9	9	9	11	7	12	17	13	8	15	m	4	9	m	'n	27	19	16	17	21
Poor judgement	7	9	12	7	8	16	24	32	41	46	10	9	13	26	16	14	15	9	17	21	6	11	12	12	6	19	15	27	21	22
Poor observation	13	10	15	16	12	48	29	42	36	38	19	17	24	30	16	19	20	28	16	33	7	4	6	4	8	40	50	50	44	37
Poor handling	18	6	23	16	19	62	73	50	88	79	35	33	22	24	R	14	17	88	47	42	12	17	22	22	53	¥4	25	61	49	89
Incorrect lane / position	8	ŋ	7	m	7	19	11	7	17	7	10	2	9	9	4	2	10	14	6	14	S	2	2	9	m	14	17	22	18	W
overtaking	0	0	m	5	-	9	4	ε	-	0	ε	5	5	4	m	5		4	4	-	0	m	ε	0	2	-	6	S	=	2
Failed to keep left	2	9	m	9	4	25	26	16	m	7	2	7	6	9	9	2	6	13	2	9	m	2	9	m	m	18	17	6	7	S
Failed to give way / H stop	4	Ŋ	6	7	2	8	7	11	14	13	10	2	12	16	S	18	7	14	11	12	1	-	m	4	0	17	19	17	21	17
Too fast	13	16	12	0	15	R	40	ы	R	23	22	21	21	19	16	26	27	8	Ж	23	14	19	21	17	₽	R	R	37	R	R
Alcohol	2	8	7	6	13	23	16	24	20	15	12	8	13	18	12	8	16	20	14	22	7	8	11	9	6	25	24	88	Ж	27
Year	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Peer group			0					0					0										0					0		
Territorial authority	South	Waikato	District			Southland	District				Tasman	District				Taupo District					Thames-	Coromandel	District			Waikato	District			

					_																									
Weather	m	-	m	m	2	9	2	9	-	m	-	4	2	m	m	2	0	11	9	9	2	-	8	m	-	0	m	9	m	2
Road factors	5	m	13	7	9	15	8	15	18	15	10	18	13	10	11	8	12	34	19	31	5	12	9	10	10	1	5	13	9	8
Vehicle factors	4	1	2	6	4	1	m	80	m	7	6	9	2	7	4	m	m	7	m	8	m	m	-	6	2	2	2	2	1	1
Cyclist factors	0	2	2	1	2	1	m	0	2	0	0	0	0	0	0	1	0	0	1	2	0	-	0	2	0	0	0	0	0	0
Pedestrian factors f	0	0	-	-	0	2	2	-	0	0	-	0	0	0	0	5	5	2	0	-	2	ε	2	-	-	0	0	0	-	0
Disabled / old / ill	m	2	0	m	4	-	2	0	4	-	-	2	m	2	2	m	2	2	m	2	m	-	-	Э	4	0	-	0	0	0
Fatigue	8	7	6	4	5	11	14	10	13	7	6	11	13	9	4	7	7	18	7	12	15	-	7	12	9	5	4	6	З	4
Poor judgement	6	13	13	9	8	9	14	15	12	16	9	11	11	15	11	5	20	17	18	21	9	8	14	12	11	7	8	11	4	4
Poor observation	30	15	28	24	24	26	19	22	18	18	13	15	18	15	21	18	14	40	25	22	15	15	15	16	7	3	5	11	4	7
Poor handling	11	15	13	10	14	16	14	21	25	41	26	33	17	25	30	12	19	32	42	23	7	20	ß	22	25	5	11	32	17	16
Incorrect lane / position	5	7	6	ω	7	7	9	6	10	13	5	7	7	4	6	2	8	11	12	10	1	8	11	5	8	2	0	0	2	2
0 overtaking	0	1	1	4	2	2	1	4	4	4	е	-	1	1	2	2	2	m	1	7	0	-	2	2	0	0	0	0	0	2
Failed to keep left	1	0	0	0	0	5	1	6	4	5	8	12	5	1	2	5	7	7	5	5	0	2	2	1	З	Э	5	1	2	1
Failed to give way / h stop	15	9	12	9	16	18	9	12	9	7	9	2	5	9	-	8	14	20	13	8	10	9	4	8	-	2	ε	ε	-	-
Too fast	14	80	15	7	7	19	22	17	21	26	15	с Г	9	80	10	6	21	24	26	36	13	21	3	19	16	S	7	24	9	6
Alcohol	11	7	6	7	9	8	14	14	12	15	4	S	5	8	8	8	25	25	22	26	20	8	12	13	6	ß	ß	5	ß	5
Year	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Peer group			٥					۵					٥					۵					۵					ш		
Territorial authority	Waimakariri	District				Waipa District					Waitaki	District				Western BoP	District				Whakatane	District				Buller District				

	-	-	\sim	-	\sim		\sim	m	-	\sim	\sim	4	ம	-	-	0		0	0	0	4	6	~	5	5	-	0	0	\sim	
Weather									-			,)			-)										
Road factors	0	0	3	2	1	5	3	3	2	2	13	17	16	13	11	0	1	2	2	0	42	50	8	31	19	8	8	9	4	6
Vehicle factors	1	0	3	0	1	1	2	1	1	0	5	3	5	2	1	0	0	1	0	0	9	9	3	2	3	5	2	5	1	9
Cyclist factors	0	0	2	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	-
Pedestrian factors	0	-	0	0	0	0	0	0	0	0	0	0	0	1	-	0	0	0	0	0	0	0	-	0	-	0	0	-	0	0
Disabled / old / ill	ε	1	0	2	0	0	-	0	2	0	9	2	9	2	-	0	0	0	0	0	2	е	2	-	m	0	-	0	-	0
Fatigue	-	2	-	1	0	8	4	m	m	4	13	9	m	8	9	1	0	0	0	0	8	9	15	m	4	0	2	-	-	0
Poor judgement	2	-	9	-	m	2	2	2	-	2	9	8	15	6	17	0	0	0	2	0	8	13	22	17	16	m	5	9	5	5
Poor observation	8	2	7	7	7	11	7	7	6	7	18	19	13	12	18	0	-	0	0	0	21	21	17	16	17	7	3	9	9	7
Poor handling	7	2	9	4	-	14	7	8	8	12	25	25	28	34	28	4	4	3	m	0	34	37	46	36	47	8	9	10	19	12
Incorrect lane / position	1	0	0	0	1	1	2	1	+	4	7	9	2	9	2	1	0	0	0	0	9	5	S	4	4	e	1	3	6	5
Overtaking	2	0	-	0	0	-	-	0	0	-	m	2	1	0	-	0	0	0	0	0	е	3	2	2	-	0	0	1	0	-
Failed to keep left	4	0	2	1	m	2	Э	1	2	2	9	13	10	0	4	0	0	0	0	0	13	15	8	e	-	1	2	2	-	-
Failed to give way / stop	m	2	9	S	m	m	4	2	4	-	2	2	m	m	m	0	0	0	0	0	m	2	2	4	-	4	2	-	2	-
Too fast	S	2	4	0	m	9	Ŋ	9	4	7	1	10	11	8	4	m	0	1	-	-	16	23	Ŋ	18	15	7	4	8	-	9
Alcohol	2	m	4	0	2	4	2	m	6	9	4	7	8	10	m	1	2	-	-	-	11	9	1	9	7	-	ε	-	e	m
Year	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Peer group			ш			_		ш		-	_		ш		-			ш	_	-			ш			_		ш		
Territorial authority (Carterton	District				Central	Hawkes Bay	District			Central Otago	District				Chatham	Island				Clutha District					Gore District				

		-			_																									
Weather	0	0	1	0	ε	1	m	ε	4	Э	2	ε	5	4	1	0	0	2	1	0	2	m	ω	5	9	0	0	0	1	0
Road factors	2	4	7	4	9	9	10	15	13	10	10	15	18	14	11	1	2	4	S	6	16	23	23	21	22	0	0	0	0	0
Vehicle factors	2	1	Ω	1	2	4	ω	4	9	З	6	9	9	4	9	2	9	1	m	0	4	5	7	4	Э	0	0	0	0	0
Cyclist factors	0	0	0	0	-	-	0	0	-	1	0	0	1	-	-	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0
Pedestrian factors	-	0	0	0	-	0	0	0	0	0	1	1	0	-	-	0	1	0	0	0	1	-	1	0	1	0	0	0	0	0
Disabled / old / ill	1	1	0	0	1	e	2	0	3	1	6	1	4	m	2	1	0	0	1	1	2	2	1	e	З	0	0	1	0	0
Fatigue	5	σ	σ	1	4	17	12	9	7	9	9	8	13	8	10	2	5	9	2	1	11	11	6	7	9	0	0	0	0	0
Poor judgement	9	4	4	3	12	5	9	8	7	8	7	13	22	8	17	0	e	7	4	7	5	10	17	7	15	0	0	0	0	0
Poor observation	7	2	2	4	7	11	13	12	16	13	9	6	11	14	15	2	1	8	4	7	15	8	13	11	9	0	0	0	1	0
Poor handling	6	6	6	12	15	6	14	25	16	25	17	22	46	40	45	6	7	15	11	10	17	R	30	28	33	0	1	0	0	0
Incorrect lane / position	2	0	0	2	2	9	9	6	10	16	3	9	9	S	4	1	0	2	0	0	3	8	5	5	7	0	0	0	1	0
Overtaking	-	2	ε	0	-	m	2	5	2	2	2	1	0	-	m	0	0	1	0	1	0	-	1	2	1	0	0	0	0	0
Failed to keep left	0	1	0	1	0	5	4	4	ы	2	ß	1	2	-	2	2	ε	З	0	2	11	6	6	с	2	1	0	0	0	0
Failed to give way / stop	e	2	0	2	0	7	4	6	9	4	1	ε	e	2	2	0	1	0	0	2	5	1	4	2	4	0	0	0	0	0
Too fast	4	9	11	2	15	14	16	13	16	9	20	28	27	13	24	m	S	9	7	7	16	18	22	17	23	0	0	0	0	0
Year Alcohol	ε	2	m	6	9	18	14	14	11	9	8	11	10	7	S	1	2	Э	-	Э	10	12	15	12	15	0	0	0	0	0
Year	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Peer group			ш		_			ш		_			ш	_				ш	_	_			ш			_		ш	_	
Territorial authority	Grey District					Hauraki	District				Hurunui	District				Kaikoura	District				Kaipara	District				Kawerau	District			

Weather	-	m	-	m	-	-	0	2	4	2	2	4	m	m	-	0	-	ω	ω	2	0	-	0	-	0	m	m	-	2	-
Road M	m	ъ	2	2	8	e	m	4	7	9	З	11	7	15	7	33	27	35	18	19	7	5	9	00	m	7	11	12	13	Ξ
Vehicle	-	2	0	-	-	2	0	-	-	ε	6	2	9	0	0	9	m	5	4	-	-	4	6	4	-	5	6	4	-	-
Cyclist factors	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	-	-	0	2	0	0	0	0	1	0	0
Pedestrian factors	0	0	0	0	0	0	0	0	0	1	0	-	0	0	0	ε	0	1	0	0	0	0	0	0	-	0	0	0	0	0
Disabled / old / ill	0	-	2	-	0	0	0	1	1	0	0	2	1	2	0	e	0	1	1	2	1	0	1	0	-	0	0	2	2	-
Fatigue	4	2	2	7	9	2	2	m	2	1	5	4	4	4	m	m	4	4	2	7	14	13	9	14	œ	9	7	8	14	0
Poor judgement	5	9	6	9	8	4	4	1	ε	9	2	9	5	4	4	12	11	30	17	19	5	5	4	m	4	2	2	10	4	9
Poor observation	m	9	5	9	9	2	2	4	8	e	4	11	4	S	m	26	17	21	24	18	12	10	21	6	15	7	11	13	9	2
Poor handling	6	12	11	10	16	m	9	S	15	16	8	12	7	17	œ	26	19	37	33	43	19	21	15	17	6	16	8	18	11	₽
Incorrect lane / position	m	2	2	1	2	2	2	2	4	7	З	6	5	9	0	5	7	6	9	6	7	З	5	4	2	2	1	4	1	-
Overtaking	0	0	0	-	2	0	2	2	0	0	0	-	0	0	0	2	4	1	0	-	2	4	m	2	-	2	-	-	0	2
Failed to keep left	-	0	ε	2	0	2	2	2	0	0	1	S	4	2	2	10	7	9	2	4	S	5	6	e	2	7	2	7	S	2
Failed to give way / stop	0	0	1	0	1	0	-	0	2	1	0	4	0	0	m	10	7	8	9	9	9	9	5	-	m	2	2	1	1	-
Too fast	m	m	5	m	4	6	m	4	7	12	10	11	11	11	2	15	6	18	10	17	8	4	8	8	S	8	10	15	6	8
Alcohol	1	1	3	2	2	9	1	5	٤	۷	1	ε	۷	10	2	8	2	3	4	6	8	9	ε	14	S	5	4	5	10	7
Year	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Peer group			ш					ш					ш					ш					ш					ш		
Territorial authority	MacKenzie	District				Opotiki	District				Otorohanga	District				Queenstown-	Lakes District				Rangitikei	District				Ruapehu	District			

reel y																																			
Weather	0	0	4	m	-	0	0	-	0	1	2	1	4	S	2	1	0	0	0	0	0	1	0	1	2	7	6	9	m	2	0	m	1	2	2
Road factors	2	7	10	9	6	2	4	4	2	5	13	ŋ	11	4	12	1	ы	6	6	З	9	5	1	2	m	12	17	17	10	22	7	6	7	11	11
Vehicle factors	1	3	4	0	2	0	2	m	2	0	7	9	5	9	4	0	1	3	0	1	2	1	4	4	2	2	З	9	4	2	1	ю	0	2	2
Cyclist factors	0	0	1	0	0	0	-	0	0	1	-	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrian factors	0	0	0	0	0	-	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	1	0
Disabled / old / ill	0	0	1	1	0	0	2	0	1	1	1	0	2	4	2	1	0	1	0	0	1	0	1	0	1	0	1	2	-	2	0	0	0	1	1
Fatigue	-	2	4	4	2	-	m	ſ	m	m	12	80	4	œ	7	Ŋ	0	9	8	5	m	4	7	S	9	4	12	œ	7	7	4	4	4	S	0
Poor judgement	Θ	7	ß	2	8	-	-	-	5	7	-	7	8	00	8	Þ	2	7	2	6	m	9	7	5	4	7	12	14	12	00	8	9	3	9	6
Poor observation	4	7	6	5	4	m	9	Ξ	7	2	11	13	14	9	9	2	4	9	6	2	11	2	ε	ω	5	11	3	16	9	S	6	12	5	7	13
Poor handling	6	7	9	4	œ	4	9	9	6	9	17	14	20	24	17	9	9	12	m	6	15	12	11	5	12	15	20	22	9	19	20	11	15	22	20
Incorrect lane / position	0	2	1	1	2	2	-	2	S	0	m	1	1	m	m	2	2	3	2	2	5	0	0	3	1	4	3	10	Ξ	m	4	2	1	5	8
Overtaking	4	2	0	ļ	0	-	0	0	0	0	2	4	ε	2	-	0	0	1	1	0	-	0	1	0	-	1	0	2	-	2	1	-	0	0	-
Failed to keep left	9	0	З	m	2	2	S	m	Ω	0	5	7	7	2	4	2	0	3	1	0	9	3	7	ß	m	З	9	S	-	0	1	Ω	2	2	2
Failed to give way / stop	1	1	2	0	0	-	m	-	-	1	ŋ	2	e	0	2	0	1	2	0	0	1	0	2	2	1	3	0	-	0	2	2	2	0	3	S
Too fast	4	8	7	9	10	m	m	9	4	З	10	8	15	9	11	1	2	8	З	4	13	11	9	6	6	18	16	20	12	12	11	12	12	7	11
Alcohol	ε	0	5	ω	9	0	4	m	4	m	9	11	8	12	đ	2	ε	2	6	4	7	5	5	6	m	9	10	4	9	9	4	8	5	4	4
Year	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
Peer group			ш		•		•	ш					ш	•	•			ш					ш					ш	•	•			ш		
Territorial authority	South	Wairarapa	District			Stratford	District				Tararua	District				Waimate	District				Wairoa	District				Waitomo	District				Westland	District			

Crashes by road type

Peer groups A, B & C

			2	2005	2	2006	2	2007	2	2008	2	2009
Territorial	Peer	Road	Local	State								
authority	group	type	road	Highway								
Auckland City	A	Rural	11	248	12	224	13	229	9	233	10	210
		Urban	927	37	914	25	873	30	889	43	878	33
Christchurch City	А	Rural	52	53	39	42	49	41	38	50	52	36
		Urban	622	87	734	131	844	135	826	124	724	100
Dunedin City		Rural	62	66	62	53	53	66	62	56	50	51
	A	Urban	334	77	289	78	320	68	293	75	311	58
Hamilton City		Rural	9	15	12	17	21	22	14	20	14	24
-	A	Urban	225	28	237	29	284	41	289	48	238	43
Hutt City		Rural	15	23	13	28	28	34	18	43	9	38
	A	Urban	104	3	138	4	214	7	200	5	157	7
Manukau City		Rural	57	83	79	77	61	90	51	80	69	79
	A	Urban	396	24	534	26	531	21	518	30	524	27
North Shore City		Rural	7	72	12	74	11	78	6	73	5	95
	A	Urban	359	23	365	24	342	16	320	17	312	10
Tauranga District		Rural	6	15	5	18	5	10	11	16	5	23
i auranga District	A	Urban	125	26	121	25	118	35	120	22	129	23
Waitakaya Citu			39	32	27	35	30	33	33	44	30	36
Waitakere City	A	Rural					329					
Wellington City		Urban	304	12	325	17		17	353	17	372	10
Wellington City	A	Rural	3	47	5	63	3	79	3	73	2	68
		Urban	295	40	320	35	378	61	430	53	322	40
Invercargill City	в	Rural	28	17	24	16	21	14	13	9	14	14
		Urban	116	50	166	59	129	45	137	34	121	32
Napier City	в	Rural	7	20	7	20	9	20	6	32	3	24
		Urban	96	10	88	21	114	23	98	16	131	25
Nelson District	в	Rural	3	19	5	17	4	12	1	21	2	14
	_	Urban	76	7	79	14	78	13	78	10	76	14
Palmerston North	в	Rural	13	28	15	22	4	12	17	16	13	13
City		Urban	125	16	137	15	151	15	115	18	109	24
Papakura District	в	Rural	20	34	17	27	22	31	18	32	16	29
		Urban	61	7	76	3	84	5	73	4	62	1
Gisborne District	с	Rural	19	43	19	37	21	34	20	49	15	33
		Urban	59	9	47	13	49	10	77	11	50	9
Hastings District	c	Rural	63	98	76	90	80	65	63	54	66	52
		Urban	127	8	114	8	125	4	101	6	125	7
Kapiti Coast	~	Rural	10	36	14	36	10	25	9	29	4	21
District	C	Urban	46	5	34	12	52	9	38	6	31	14
New Plymouth	-	Rural	20	56	27	65	25	74	32	63	21	47
District	C	Urban	64	41	68	54	75	56	72	49	87	38
Porirua City	_	Rural	14	18	7	20	8	21	5	10	13	21
,	C	Urban	58	15		13		12	63	9	60	12
Rotorua District		Rural	12	62	19	54		58	30	49	17	49
	C	Urban	60	34	73	34		35	61	41	54	28
Timaru District		Rural	20	18		23		27	25	14	20	23
	C	Urban	34	14	46	13	39	24	38	20	42	27
Upper Hutt City		Rural	8	24	11	25		33	11	30	42	21
opper nucleity	C	Urban	39	24	33	3		6	42	3	39	1
Manganui District		Rural		23	10	15		22	42	15	9	15
Wanganui District	C	<u> </u>		- 23				22	64	9	57	
When a second District th		Urban	67			5						8
Whangarei District	C	Rural	61	52		60	57	53	65	62	52	39
		Urban	93	21	67	13	68	21	89	13	92	21

Crashes by road type

Peer groups D & E

			2	2005	2	2006	2	2007	2	2008	2	2009
Territorial	Peer	Road	Local	State								
authority	group	type	road	Highway								
Ashburton District	D	Rural	13	10	16	12	24	17	27	12	25	14
		Urban	12	13	9	8	29	9	18	9	17	9
Far North District	D	Rural	69	82	74	118	87	133	75	85	49	90
		Urban	16	15	23	14	18	13	12	13	29	18
Franklin District	D	Rural	114	27	138	23	117	37	126	25	121	28
		Urban	40	8	50	5	41	1	56	1	51	1
Horowhenua	D	Rural	11	44	16	45	17	41	19	48	10	37
District		Urban	22	10	22	11	25	14	20	11	30	15
Manawatu District	D	Rural	40	25	38	36	50	29	53	31	29	28
	_	Urban	13	5	14	8	13	4	12	9	17	3
Marlborough	D	Rural	18	46	22	54	17	60	22	47	16	50
District		Urban	37	14	41	9	40	18	43	14	42	10
Masterton District	D	Rural	18	8	20	14	18	3	15	6	23	2
		Urban	34	11	27	14	29	11	36	13	33	18
Matamata-Piako	D	Rural	28	40	37	41	36	47	55	43	40	35
District	_	Urban	8	15	5	10	9	2	23	20	10	9
Rodney District	D	Rural	84	77	81	95	103	100	108	113	110	80
	_	Urban	61	18	70	23	66	23	60	22	64	28
Selwyn District	D	Rural	42	34	28	45	45	47	56	36	61	41
	_	Urban	5	1	7	3	6	3	8	8	7	
South Taranaki	D	Rural	21	36	18	29	19	40	26	26	19	26
District	_	Urban	18	5	17	6	9	4	15	7	14	8
South Waikato	D	Rural	10	49	8	47	8	47	11	43	17	42
District	_	Urban	7	8	5	3	13	4	14	5	10	5
Southland District	р	Rural	73	93	65	93	59	101	55	91	59	69
	_	Urban	13	6	17	2	12	7	11	7	9	11
Tasman District	D	Rural	33	50	20	55	44	55	36	80	30	51
		Urban	19	8	23	11	27	12	14	10	20	8
Taupo District	D	Rural	14	70	32	60	20	86	23	66	33	78
		Urban	33	10		12	34	10		7	37	12
Thames-	D	Rural	12	37	12	42	6	54		38	8	36
Coromandel		Urban	21	17	19	10	13	15		16	18	11
Waikato District	D	Rural	78	89	63	99	72	118	73	79	69	91
		Urban	16	12	17	19	21	10	21	17	23	20
Waimakariri	D	Rural	53	15	45	21	47	12	38	12	43	12
District		Urban	24	1	14	1	26		29	2	25	2
Waipa District	D	Rural	47	47	47	41	40	34	44	37	47	32
		Urban	24	7	25	20	29	17	32	15	27	20
Waitaki District	D	Rural	21	38	26	40	18	36	18	34	18	32
		Urban	16	23	12	18	21	20	12	28	21	16
Western BoP	D	Rural	22	46	23	73	36	92		56	44	69
District		Urban	12	6	5	8	16	5		13	13	8
Whakatane	D	Rural	28	33	33	22	33	39	41	25	24	28
District		Urban	21	4	19	5	23	3		2	32	2
Buller District	E	Rural	3	20	6	24	4	42	4	25	6	25
		Urban	7	2	5	6	5	4		2	6	1
Carterton District	E	Rural	11	7	5		20	5		6	7	7
		Urban	2	3	2	3	2	9	2	5	2	2

Crashes by road type (cont.) Peer groups D & E

			2	2005	2	2006	2	2007	2	2008	2	2009
Territorial authority	Peer group	Road type	Local road	State Highway								
Central Hawkes	Е	Rural	14	20	10	19	13	11	13	16	12	15
Bay District	-	Urban	8	3	5	2	6	5	3	2	5	4
Central Otago	Е	Rural	16	51	13	45	22	37	14	42	9	37
District	-	Urban	13	5	9	8	13	2	8	5	8	6
Chatham Island	Е	Rural	4		6		4		4		3	
	-	Urban					1				1	
Clutha District	E	Rural	42	57	46	57	37	55	40	28	29	42
	_	Urban	9	6	7	10	8	7	6	7	5	8
Gore District	E	Rural	8	14	8	17	11	12	7	18	7	16
	_	Urban	18	4	8	9	5	3	9	10	9	6
Grey District	E	Rural	7	17	6	14	7	14	12	10	12	25
	_	Urban	7	4	7	9	10	6	12	10	10	6
Hauraki District	E	Rural	19	50	16	45	20	44	21	39	9	44
	_	Urban	4	8	5	3	9	10	4	12	8	10
Hurunui District	Е	Rural	11	49	15	48	12	63	12	47	11	46
	-	Urban	3		2	2	4	4	3	4		1
Kaikoura District	Е	Rural	3	10	2	20	1	25	3	15	5	14
	_	Urban			1	2	1	2	1	1	5	1
Kaipara District	E	Rural	35	41	38	42	38	42	25	40	26	46
	-	Urban	5	6	5	7	14	8	13	3	10	6
Kawerau District	Е	Rural		1		1		1		1		
	-	Urban	1	1	4	1	4		3		6	1
MacKenzie District	Е	Rural	7	9	5	16	2	19	5	14	4	22
	-	Urban	2	2	4	2	2		1	2	4	
Opotiki District	Е	Rural	2	14	4	13		19	3	21		27
	-	Urban	3	3	2	5	5	2	5	7	7	6
Otorohanga	E	Rural	7	23	17	28	13	15	14	24	10	9
District	-	Urban	5	2	6	4	7	4	1	7	2	1
Queenstown-	Е	Rural	42	45	32	34	43	36	31	31	42	27
Lakes District	-	Urban	36	6	33	10	39	11	24	11	29	10
Rangitikei District	E	Rural	18	31	18	35	19	36	21	31	15	23
	-	Urban	2	6	3	1	2	4	5	2	8	7
Ruapehu District	E	Rural	7	33	8	36	10	44	10	36	5	31
	_	Urban	2	2	4	6	12	1	10	1	6	4
South Wairarapa	E	Rural	7	13	12	11	12	22	14	13	11	19
District	_	Urban	4	2	4	2	2	2	2	3	4	1
Stratford District	E	Rural	4	8	11	13	6	23	9	16	11	13
	_	Urban	2	1	2	3	6	2	6	3	3	5
Tararua District	E	Rural	16	34	14	36	30	29	20	37	18	32
	_	Urban	5	8	8	6	3	7	7	6	10	6
Waimate District	Е	Rural	6	8	4	8	7	23	6	14	5	11
	_	Urban	2	3	2		2	4	2	2	2	1
Wairoa District	E	Rural	7	30	5	19	7	29	8	20	9	25
	_	Urban	6	2	5	4	9	4	5	1	9	3
Waitomo District	Е	Rural	11	45	9	45	11	50	6	36	7	36
	_	Urban	6	9	2	4	2	3	3	3	5	7
Westland District	E	Rural	5	33	11	28	3	23		39	8	39
	_	Urban	1	1	3	3	3	2	1	2	2	3

Licence of those involved in crashes

Peer groups A, B & C

			20	005	20	06	20	007	20	008	20	009
Territorial authority	Peer group	Licence	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban
Auckland City		Full	461	1011	389	977	432	1006	407	1024	362	1026
	А	Endorsed	122	380	106	360	112	378	117	359	95	348
		Unlicensed	53	199	50	204	60	195	50	208	45	184
Christchurch		Full	118	780	100	988	106	1112	93	1066	112	920
City	A	Endorsed	41	257	27	325	23	410	35	359	24	345
		Unlicensed	17	113	9	126	9	150	14	159	11	127
Dunedin City		Full	125	478	100	421	116	455	124	423	97	423
	A	Endorsed	38	154	46	142	38		39	110	39	145
		Unlicensed	14	50	13	40	12	47	7	41	8	45
Hamilton City		Full	27	252	39	256	47	312	35	347	55	313
	А	Endorsed	15	111	7	124	19	178	17	160	12	126
		Unlicensed	4	56	7	47	5	78	6	66	3	39
Hutt City		Full	36	112	59	142	61	222	79	199	65	162
	А	Endorsed	21	42	17	50	43	91	27	87	15	72
		Unlicensed	3	14	4	28	4	55	13	43	8	38
Manukau City		Full	173	370	203	496	180	531	165	511	192	483
	А	Endorsed	65	203	74	269	76	284	60	267	60	253
		Unlicensed	40	124	37	149	37	151	29	160	31	187
North Shore		Full	153	423	159	432	149	391	133	373	198	367
City	А	Endorsed	37	130	30	167	45	144	34	126	46	119
		Unlicensed	14	83	10	69	19	74	12	52	22	50
Tauranga		Full	23	152	29	149	30	148	25	121	28	169
District	А	Endorsed	9	52	5	45	6	51	17	54	12	51
		Unlicensed	8	29	7	31	10	48	6	40	4	32
Waitakere		Full	70	315	67	303	69	363	87	357	76	422
City	А	Endorsed	31	141	37	167	23	184	37	174	27	156
		Unlicensed	14	77	11	79	13	57	14	97	17	87
Wellington		Full	60	359	99	348	123	424	113	434	92	385
City	А	Endorsed	21	82	28	102	36	128	26	146	29	129
		Unlicensed	10	44	9	80	16	132	12	185	12	76
Invercargill	В	Full	51	193	41	264	30	203	24	186	23	187
City		Endorsed	14	76	18	105	24	67	6	76	17	72
		Unlicensed	3	22	3	26	2	23	0	21	1	11
Napier City	В	Full	25	97	28	82	32	118	36	101	33	148
		Endorsed	17	46	11	53	14	62	20	46	17	62
		Unlicensed	7	22	8	26	9	47	11	36	0	41
Nelson	В	Full	23	71	20	70	21	72	19	77	12	85
District		Endorsed	9	20	9	34	2	47	10	34	6	28
		Unlicensed	2	21	1	22	2	25	2	25	2	23
Palmerston	В	Full	41	155	34	139	19	182	35	125	24	133
North City		Endorsed	15	50	15	66	5	66	8	63	7	60
		Unlicensed	2	17	5	33	0	38	5	32	6	25
Papakura	В	Full	82	65	64	74	67	82	55	66	56	56
District		Endorsed	24	30	25	35	18	36	18	47	22	26
		Unlicensed	7	15	8	20	6	29	7	20	11	17
Gisborne	С	Full	47	53	39	54	39	47	45	68	39	48
District		Endorsed	20	24	18	24	17	19	22	39	10	23
		Unlicensed	8	20	15	10	12	21	15	24	12	31
Hastings	С	Full	142	130	162	120	132	111	101	109	90	116
District			75	45	77	58	61	70	47	48	47	59
District		Endorsed	1 731					1 r v v	1 764	40.	1	521

Licence of those involved in crashes (cont.) Peer groups A, B & C

			20	005	20	06	20	007	20	008	20	009
Territorial authority	Peer group	Licence	Rural	Urban								
Kapiti Coast	С	Full	62	54	66	44	43	69	38	31	43	48
District		Endorsed	17	12	21	16	12	15	13	21	9	17
		Unlicensed	6	6	9	4	6	21	9	16	4	15
New	С	Full	84	106	93	125	103	141	100	119	67	127
Plymouth		Endorsed	26	65	36	70	41	66	35	61	33	61
District		Unlicensed	6	13	15	15	8	27	13	24	3	26
Porirua City	С	Full	38	54	18	56	36	68	19	58	26	73
		Endorsed	13	31	11	30	11	31	7	30	17	26
		Unlicensed	3	29	5	17	3	31	3	30	4	18
Rotorua	С	Full	53	- 75	59	86	73	78	63	104	49	57
District		Endorsed	39	52	29	45	39	38	29	42	35	30
		Unlicensed	10	20	9	35	17	29	22	19	10	29
Timaru	С	Full	42	45	53	65	49	77	33	56	41	82
District		Endorsed	15	22	14	26	15	26	14	28	16	26
		Unlicensed	4	6	4	7	5	5	7	6	7	5
Upper Hutt	С	Full	28	38	34	32	48	33	50	40	34	38
City		Endorsed	15	15	19	12	20	26	15	16	8	19
		Unlicensed	4	3	5	6	9	10	5	14	5	З
Wanganui	С	Full	29	54	25	35	33	53	25	64	18	63
District		Endorsed	14	32	7	27	11	24	7	33	12	25
		Unlicensed	0	21	3	9	5	21	5	28	3	15
Whangarei	С	Full	109	123	105	73	95	86	109	104	80	106
District		Endorsed	30	37	55	34	41	33	48	41	32	52
		Unlicensed	18	16	30	15	19	16	26	22	12	22

Licence of those involved in crashes (cont.) Peer groups D & E

			20	05	20	006	20	007	20	008	20	009
Territorial authority	Peer group	Licence	Rural	Urban								
Ashburton	D	Full	27	33	23	23	39	45	33	31	37	37
District		Endorsed	9	11	8	8	17	13	15	7	13	8
		Unlicensed	4	2	6	0	4	5	2	6	6	4
Far North	D	Full	107	18	157	26	180	20	126	17	110	40
District		Endorsed	54	11	74	17	86	15	57	12	59	21
		Unlicensed	41	15	32	10	36	6	32	4	26	9
Franklin	D	Full	125	42	157	52	142	32	144	47	128	44
District		Endorsed	47	17	55	19	51	20	58	23	60	24
		Unlicensed	27	7	20	9	20	7	17	15	15	7
Horowhenua	D	Full	57	34	67	26	55	31	61	29	41	41
District		Endorsed	19	9	26	13	21	15	27	11	19	18
		Unlicensed	10	5	6	8	10	14	13	9	9	12
Manawatu	D	Full	75	11	69	23	71	20	76	20	45	17
District		Endorsed	23	9	26	9	32	5	43	10	25	8
		Unlicensed	7	6	9	4	12	3	6	1	7	7
Marlborough	D	Full	60	48	66	43	55	60	51	48		48
District		Endorsed	23	17	30	21	32	20	30	28	25	20
		Unlicensed	7	5	9	8	7	15	11	15	8	12
Masterton	D	Full	23	39	30	35	16	37	17	44	19	47
District		Endorsed	10	15	11	17	7	12	5	20	12	16
		Unlicensed	2	9	2	9	3	9	1	12	2	15
Matamata-	D	Full	62	26	63	17	71	7	92	43	71	21
Piako District		Endorsed	29	10	29	4	31	8	42	13	21	8
		Unlicensed	10	3	15	1	17	1	12	10	14	2
Rodney	D	Full	178	91	180	91	214	90	242	78	184	96
District		Endorsed	47	23	60	34	66	30	72	37	61	25
		Unlicensed	19	16	28	19	26	27	33	11	24	26
Selwyn	D	Full	60	4	80	10	102	8	98	20	122	7
District		Endorsed	34	2	29	2	23	4	34	7	27	1
		Unlicensed	14	1	4	0	8	0	13	4	12	1
South	D	Full	46	22	39	19	44	10	45	16	33	28
Taranaki		Endorsed	24	13	19	7	25	9	18	14	16	8
District		Unlicensed	13	6	1	10	12	4	10	4	8	1
South	D	Full	49	23	55	7	70	13	55	12	51	12
Waikato		Endorsed	24	1	16	4	11	3	19	12	21	2
District		Unlicensed	4	2	3	0	8	3	4	3	8	2
Southland	D	Full	114	16	100	13	120	10	107	15	82	17
District		Endorsed	78	7	81	8	64	7	73	5	77	8
		Unlicensed	21	3	13	2	18	6	12	2		4
Tasman	D	Full	76	29	74	32	83	38	105	18		26
District		Endorsed	31	8	24	11	34	14	44	15	29	13
		Unlicensed	9	4	4	4	19	6	17	3	12	6
Taupo	D	Full	84	46	87	53	106		74	55	92	41
District		Endorsed	38	15	32	17	39	12	35	16	52	22
		Unlicensed	11	6	10	9	12	9	13	4	13	13
Thames-	D	Full	48	33	49	35	52	31	38	29	47	36
Coromandel		Endorsed	15	13	20	7	21	13	20	21	13	9
District		Unlicensed	10	9	4	5	11	4	5	5	3	2
Waikato	D	Full	158	35	167	39	168	35	158	32	144	48
District		Endorsed	55	9	59	16	70	8	45	12		13
		Unlicensed	34	6	30	5	34	5	20	9		7
Waimakariri	D	Full	67	30	69	18	58		61	37	67	25
District		Endorsed	25	4	22	6	21	13	11	8		12
		Unlicensed	9	6	6	0	8	6	6	8		5
Waipa District	D	Full	92	41	74	52	74	51	78	58	76	51
		Endorsed	41	9	36	14	24	16	34	16	29	16
		Unlicensed	17	2	15	5	12	8	12	8	7	8

Licence of those involved in crashes (cont.)

Peer groups D & E

			20	005	20	06	20	007	20	800	20)09
Territorial authority	Peer group	Licence	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban	Rural	Urban
Waitaki	D	Full	56	40	60	30	48	45	47	35	46	38
District		Endorsed	21	13	19	11	25	20	21	22	17	12
		Unlicensed	5	4	7	5	2	5	3	8	6	5
Western BoP	D	Full	77	16	92	14	125	11	85	25	96	12
District		Endorsed	18	9	37	5	50	9	29	9	41	12
		Unlicensed	11	3	16	3	26	5	17	4	22	4
Whakatane	D	Full	44	24	48	18	53	27	51	28	34	24
District		Endorsed	20	11	16	9	30	9	23	7	21	15
		Unlicensed	18	4	9	5	17	5	9	13	13	7
Buller District	E	Full	17	11	25	10	36	14	20	6	25	9
		Endorsed	12	3	12	6	17	2	12	3	10	2
		Unlicensed	3	1	2	1	4	0	2	4	5	2
Carterton	E	Full	19	4	7	6	22	12	13	7	17	3
District		Endorsed	7	3	3	2	5	6	2	2	3	2
		Unlicensed	4	1	2	0	5	3	1	0	3	1
Central	E	Full	26	8	33	3	13	12	24	2	22	7
Hawkes Bay		Endorsed	14	6	10	4	10	5	12	4	9	5
District		Unlicensed	6	2	3	1	5	2	5	1	4	1
Central Otago	E	Full	60	18	39	20	52	14	44	13	35	10
District		Endorsed	15	8	32	2	22	6	22	5	23	6
		Unlicensed	7	3	4	3	3	2	2	0	3	1
Chatham	E	Full	1	0	3	0	3	0	1	0	2	1
Island	-	Endorsed	3	0	3	0	1	1	2	0	1	1
		Unlicensed	0	0	1	0	Ö	0	1	0	0	0
Clutha	E	Full	77	13	91	25	80	17	59	15	58	18
District		Endorsed	30	4	25	4	27	5	27	8	24	4
		Unlicensed	12	4	10	1	9	1	5	0	5	0
Gore District	E	Full	20	19	19	18	19	9	23	20	21	12
Obio Distilice		Endorsed	7	7	10	7	9	6	6	5	7	7
		Unlicensed	2	5	2	2	2	0	3	6	4	2
Grey District	E	Full	15	14	19	17	18	16	19	15	33	14
ore, District		Endorsed	12	4	6	6	7	6	5	13	12	6
		Unlicensed	5	0	2	2	2	3	2		2	3
Hauraki	E	Full	70	14	60	6	56	18			46	24
District		Endorsed	15	5	21	4	19	3	22	8	20	5
District		Unlicensed	13	1	4	2	13	3	22	1	20	1
Hurunui	E	Full	60	4	53	4	61	8	58	7	47	1
District		Endorsed	13	4	24	4	26	3	11	2	19	0
District			8	0	24	2	20	0	8	2	9	0
V aile aura		Unlicensed Full		0		2				2	-	3
Kaikoura District	E		13	0	23		20	4	14		14 9	
District		Endorsed	1		5	1	12	1	5	2		4
If also and		Unlicensed	4	0	1	0	2	0	1	0	4	1
Kaipara	E	Full	74	13	56	12	52	16	56	10	53	13
District		Endorsed	24	4	28	4	32	7	17	7	25	4
		Unlicensed	10	3	16	4	18	4	5	8	16	2
Kawerau	E	Full	2	2	1	2	0	2	2		0	4
District		Endorsed	0	0	0	3	1	1	1	1	0	3
		Unlicensed	0	0	0	3	0	3	0	1	0	2
MacKenzie	E	Full	9	4	10	5	18	1	14	3	17	2
District		Endorsed	8	0	11	1	11	1	11	1	11	2
		Unlicensed	1	0	2	3	1	0	0	0	1	0
Opotiki	E	Full	12	6	13	6	10	7	14	11	16	13
District		Endorsed	9	2	6	3	7	2	8		9	4
		Unlicensed	2	2	2	l	8	1	7	3	4	3

Licence of those involved in crashes (cont.)

Peer groups D & E

			2005		2006		2007		2008		2009	
Territorial authority	Peer group	Licence	Rural	Urban								
Otorohanga District	E	Full	23	З	38	8	24	4	24	9	13	1
		Endorsed	8	6	18	5	7	4	16	4	11	2
		Unlicensed	6	1	5	1	4	6	4	1	1	0
Queenstown- Lakes District	E	Full	72	43	48	40	57	39	53	29	49	38
		Endorsed	32	14	39	21	39	28	30	18	38	19
		Unlicensed	11	4	3	6	10	11	3	5	6	6
Rangitikei District	E	Full	40	7	56	3	56	8	46	9	42	17
		Endorsed	20	З	15	2	15	2	19	2	8	4
		Unlicensed	9	2	5	1	5	1	З	2	6	2
Ruapehu District	E	Full	38	1	41	6	44	10	34	7	23	10
		Endorsed	16	1	11	6	15	6	13	5	16	5
		Unlicensed	4	З	Э	1	9	0	3	2	7	0
South Wairarapa District	E	Full	18	5	18	7	30	6	23	4	22	7
		Endorsed	8	З	11	3	12	0	10	2	12	3
		Unlicensed	2	2	2	1	1	0	1	0	5	2
Stratford District	E	Full	8	З	25	4	31	8	18	9	18	8
		Endorsed	5	2	5	4	6	4	15	0	8	2
		Unlicensed	3	0	3	1	3	1	1	4	2	1
Tararua District	E	Full	41	12	50	11	48	11	48	15	42	18
		Endorsed	24	7	19	5	18	2	18	6	17	5
		Unlicensed	7	3	5	5	9	4	4	1	13	3
Waimate District	E	Full	15	3	11	3	30	7	26	3	16	1
		Endorsed	4	3	4	0	11	4	4	4	4	0
		Unlicensed	3	1	0	0	1	0	2	0	0	2
Wairoa District	E	Full	32	8	11	8	25	11	17	2	28	13
		Endorsed	13	4	15	6	12	6	10	4	12	3
		Unlicensed	9	1	2	1	7	3	9	1	2	1
Waitomo District	E	Full	47	13	38	4	47	6	31	5	33	11
		Endorsed	16	13	27	3	17	0	10	3	14	5
		Unlicensed	8	2	4	2	11	3	б	0	3	2
Westland District	E	Full	20	1	26	3	10	2	26	2	40	5
		Endorsed	27	2	22	3	17	4	18	2	23	3
		Unlicensed	3	0	3	1	2	0	5	0	4	0

