

SECTION 2: CASUALTIES AND CRASHES



Photo courtesy of NZTA

TABLE 5: AGE AND SEX OF ROAD USERS KILLED AND INJURED YEAR ENDED 31 DECEMBER 2010

Age group years	Females		Males		Unknown		Total casualties	
Under 5	73	(2)	83	(6)	1	(-)	157	(8)
5 to 9	136	(-)	165	(2)	3	(-)	304	(2)
10 to 14	199	(4)	285	(4)	3	(-)	487	(8)
15 to 19	977	(16)	1324	(36)	3	(-)	2304	(52)
20 to 24	873	(15)	1151	(46)	6	(-)	2030	(61)
25 to 29	503	(7)	697	(26)	2	(-)	1202	(33)
30 to 34	406	(2)	510	(12)	1	(-)	917	(14)
35 to 39	418	(5)	553	(24)	2	(-)	973	(29)
40 to 44	456	(4)	564	(17)	-	(-)	1020	(21)
45 to 49	416	(7)	534	(17)	4	(-)	954	(24)
50 to 54	371	(6)	457	(18)	1	(-)	829	(24)
55 to 59	326	(4)	355	(10)	1	(-)	682	(14)
60 to 64	232	(6)	276	(10)	1	(-)	509	(16)
65 to 69	176	(8)	190	(9)	-	(-)	366	(17)
70 to 74	132	(10)	135	(9)	-	(-)	267	(19)
75 to 79	118	(2)	107	(4)	-	(-)	225	(6)
80 and over	172	(13)	147	(14)	-	(-)	319	(27)
Unknown age	219	(-)	221	(-)	46	(-)	486	(-)
TOTALS	6203	(111)	7754	(264)	74	(-)	14031	(375)

NOTE: The figures in brackets are the numbers killed and are not included in the adjacent injury figures.

TABLE 6: AGE AND TYPES OF ROAD USERS KILLED AND INJURED YEAR ENDED 31 DECEMBER 2010

Age group years	Drivers		Passengers		Motorcycle drivers		Motorcycle pillion		Pedal cyclists		Pedestrians		Other road users		Total casualties	
Under 5	-	(-)	103	(7)	-	(-)	-	(-)	2	(-)	51	(1)	1	(-)	157	(8)
5 to 9	-	(-)	168	(2)	1	(-)	2	(-)	28	(-)	102	(-)	3	(-)	304	(2)
10 to 14	15	(2)	228	(5)	5	(1)	6	(-)	113	(-)	113	(-)	7	(-)	487	(8)
15 to 19	1200	(17)	741	(28)	145	(3)	8	(-)	84	(1)	124	(3)	2	(-)	2304	(52)
20 to 24	1201	(32)	459	(17)	182	(8)	13	(1)	67	(-)	103	(3)	5	(-)	2030	(61)
25 to 29	756	(14)	221	(11)	106	(2)	4	(1)	61	(1)	54	(4)	-	(-)	1202	(33)
30 to 34	612	(8)	117	(-)	86	(3)	3	(-)	67	(2)	32	(1)	-	(-)	917	(14)
35 to 39	630	(7)	115	(7)	112	(13)	10	(1)	69	(-)	37	(1)	-	(-)	973	(29)
40 to 44	658	(11)	102	(2)	138	(7)	9	(-)	81	(1)	32	(-)	-	(-)	1020	(21)
45 to 49	598	(16)	101	(2)	129	(2)	13	(-)	75	(2)	36	(2)	2	(-)	954	(24)
50 to 54	505	(10)	78	(4)	140	(6)	6	(-)	55	(1)	39	(3)	6	(-)	829	(24)
55 to 59	436	(11)	81	(-)	72	(2)	7	(-)	46	(-)	36	(1)	4	(-)	682	(14)
60 to 64	339	(12)	69	(2)	46	(-)	1	(-)	23	(-)	29	(2)	2	(-)	509	(16)
65 to 69	253	(11)	54	(3)	19	(-)	2	(-)	13	(-)	22	(3)	3	(-)	366	(17)
70 to 74	178	(11)	47	(3)	10	(-)	1	(-)	8	(1)	22	(3)	1	(1)	267	(19)
75 to 79	167	(4)	31	(1)	5	(-)	-	(-)	4	(-)	15	(1)	3	(-)	225	(6)
80 and over	206	(14)	61	(4)	1	(-)	-	(-)	1	(1)	40	(7)	10	(1)	319	(27)
Unknown age	94	(-)	246	(-)	15	(-)	3	(-)	47	(-)	80	(-)	1	(-)	486	(-)
TOTALS	7848	(180)	3022	(98)	1212	(47)	88	(3)	844	(10)	967	(35)	50	(2)	14031	(375)

NOTE: The figures in brackets are the numbers killed and are not included in the adjacent injury figures.

(1) Includes unknown.

FIGURE 7: PERCENTAGE OF ROAD DEATHS BY AGE AND SEX

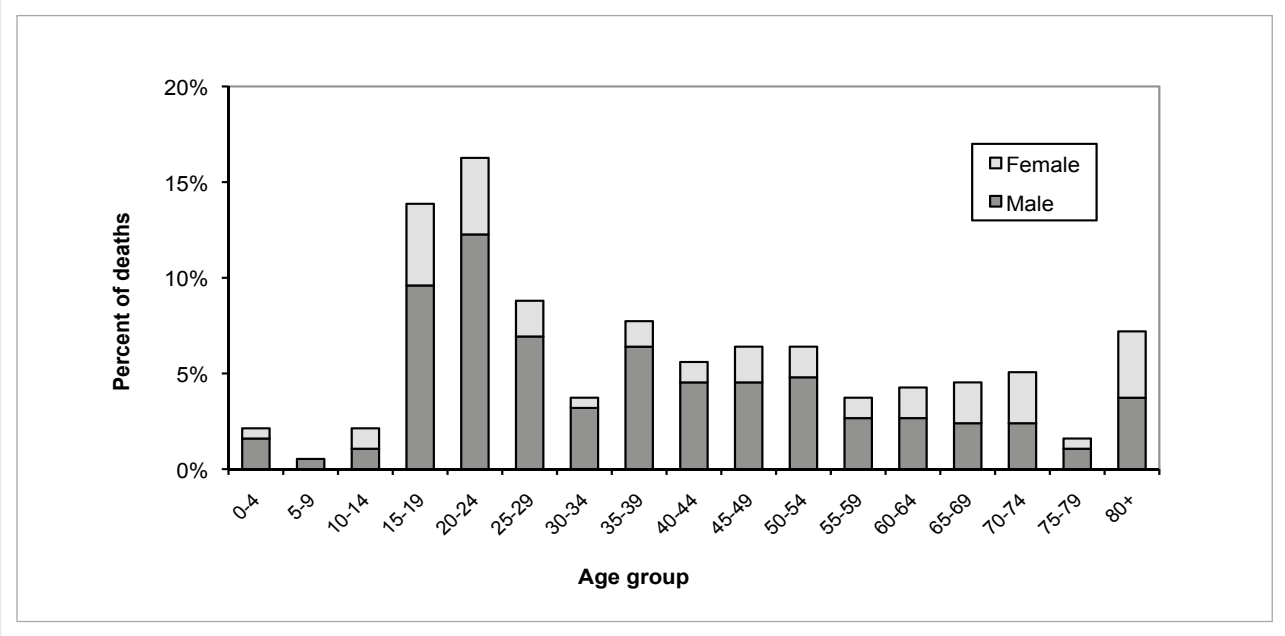


FIGURE 8: PERCENTAGE OF ROAD INJURIES BY AGE AND SEX

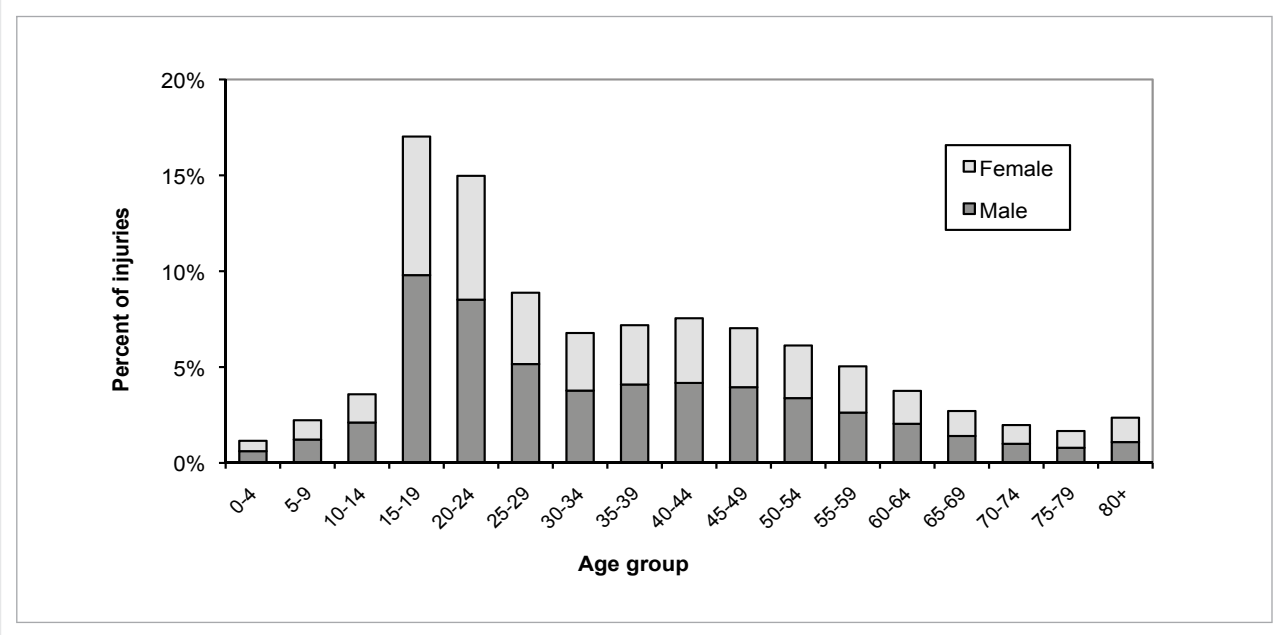


FIGURE 9: PERCENTAGE OF ROAD DEATHS BY AGE AND ROAD USER TYPE

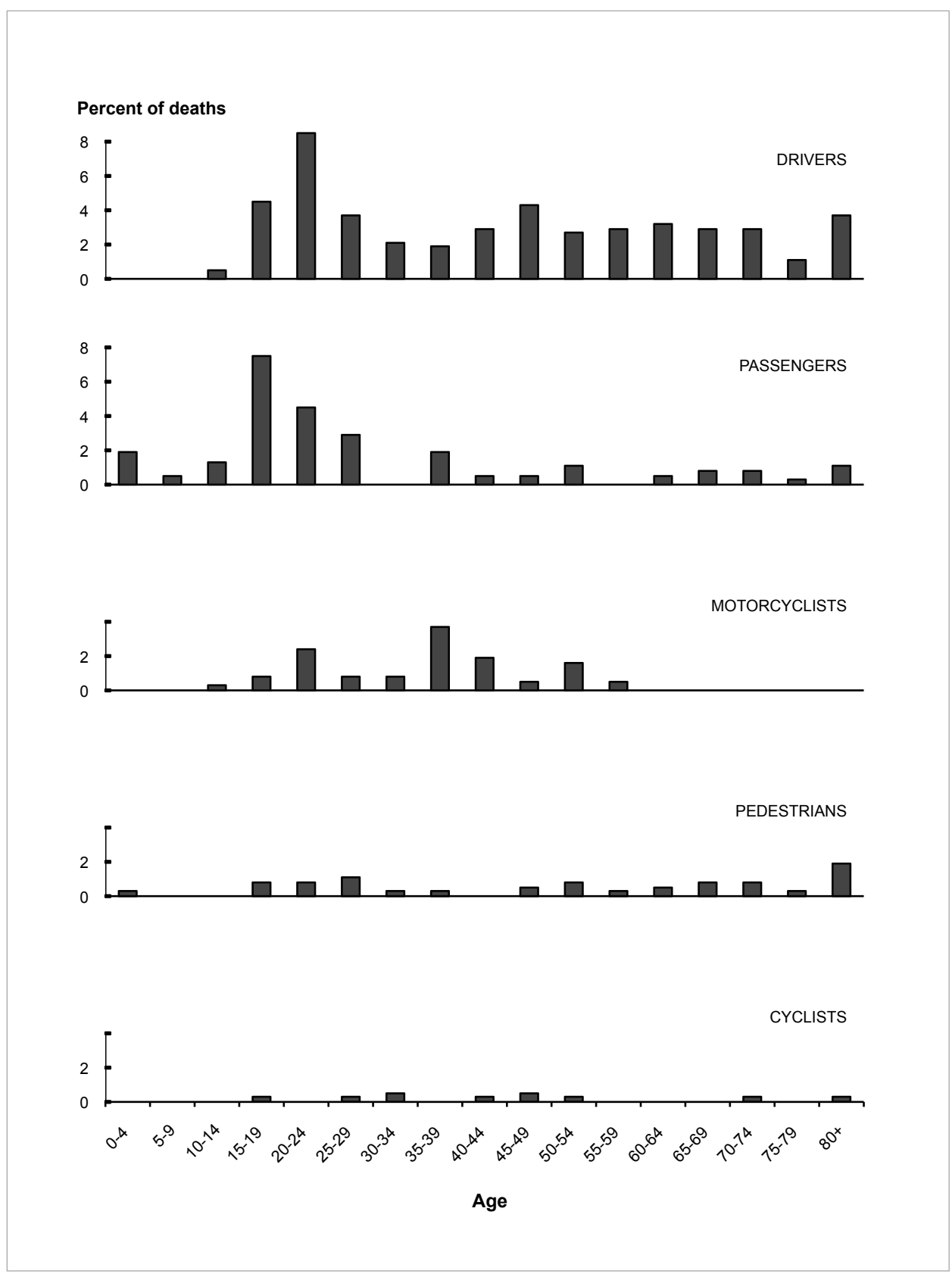


FIGURE 10: PERCENTAGE OF ROAD INJURIES BY AGE AND ROAD USER TYPE

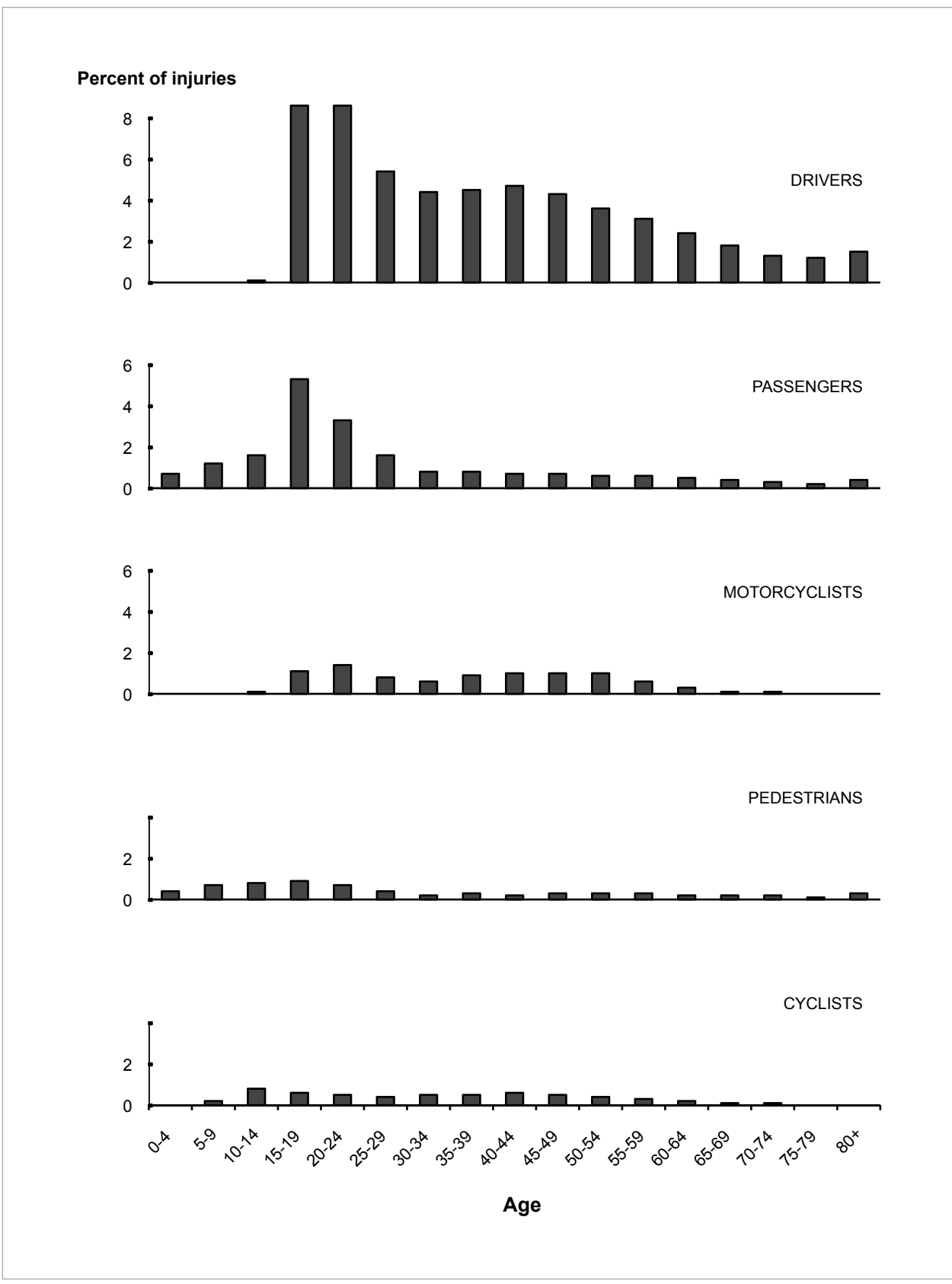


TABLE 7: TYPE OF ROAD USER KILLED AND INJURED YEAR ENDED 31 DECEMBER 2010

Type of road user	Killed	Serious injury	Minor injury	Totals
DRIVERS OF:				
Car	134	722	5393	6249
Taxi	-	2	29	31
SUV	19	95	678	792
Van	12	92	535	639
Truck	13	33	211	257
Bus	-	5	27	32
Motorcycle	47	412	800	1259
Other	2	5	21	28
Unknown	-	-	-	-
SUBTOTAL	227	1366	7694	9287
PASSENGERS FROM:				
Car	71	385	1846	2302
Taxi	-	1	11	12
SUV	13	48	337	398
Van	10	66	256	332
Truck	3	4	30	37
Bus	-	1	34	35
Motorcycle	3	29	59	91
Other	1	-	5	6
Unknown	-	-	-	-
SUBTOTAL	101	534	2578	3213
OTHER ROAD USERS:				
Pedal cyclists	10	149	693	852
Pedestrian	35	230	737	1002
Other and Unknown	2	10	40	52
SUBTOTAL	47	389	1470	1906
TOTAL ALL CASUALTIES	375	2289	11742	14406

FIGURE 11: TYPE OF ROAD USER KILLED AND INJURED

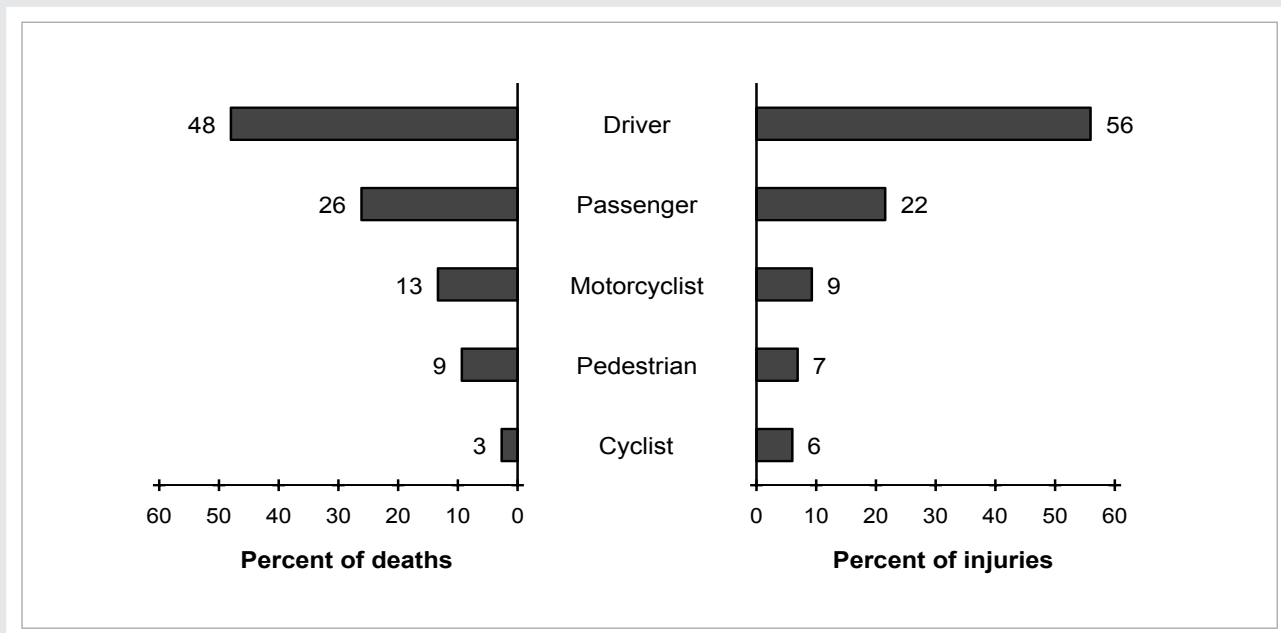


TABLE 8: TYPE OF ROAD USERS KILLED AND INJURED IN EACH SPEED LIMIT AREA DURING DAYLIGHT AND DARKNESS YEAR ENDED 31 DECEMBER 2010

ROAD USER	50 KM/H OR LESS		60-70 KM/H		80-100 KM/H		UNKNOWN SPEED LIMIT / LIGHT	TOTALS										
	Day	Dark	Day	Dark	Day	Dark		Day	Dark									
DRIVERS OF:																		
Car	2089	(14)	1030	(18)	262	(2)	106	(3)	1755	(57)	868	(39)	5	(1)	4106	(73)	2004	(60)
Taxi	7	(-)	17	(-)	1	(-)	-	(-)	2	(-)	4	(-)	-	(-)	10	(-)	21	(-)
SUV	151	(-)	68	(3)	26	(-)	15	(-)	339	(9)	174	(7)	-	(-)	516	(9)	257	(10)
Van	141	(-)	70	(-)	28	(-)	8	(-)	261	(5)	116	(7)	3	(-)	430	(5)	194	(7)
Truck	31	(1)	9	(1)	17	(-)	4	(-)	118	(6)	65	(5)	-	(-)	166	(7)	78	(6)
Bus	15	(-)	7	(-)	-	(-)	-	(-)	8	(-)	2	(-)	-	(-)	23	(-)	9	(-)
Motorcycle	511	(5)	176	(7)	54	(1)	15	(-)	371	(22)	83	(11)	2	(1)	936	(28)	274	(18)
Other	3	(-)	3	(-)	1	(-)	-	(1)	13	(1)	6	(-)	-	(-)	17	(1)	9	(1)
Unknown	-	(-)	-	(-)	-	(-)	-	(-)	-	(-)	-	(-)	-	(-)	-	(-)	-	(-)
SUBTOTAL	2948	(20)	1380	(29)	389	(3)	148	(4)	2867	(100)	1318	(69)	10	(2)	6204	(123)	2846	(102)
PASSENGERS FROM:																		
Car	558	(5)	433	(12)	112	(3)	43	(-)	676	(28)	407	(23)	2	(-)	1346	(36)	883	(35)
Taxi	2	(-)	5	(-)	-	(-)	-	(-)	-	(-)	5	(-)	-	(-)	2	(-)	10	(-)
SUV	66	(-)	24	(3)	10	(-)	7	(-)	189	(6)	89	(4)	-	(-)	265	(6)	120	(7)
Van	48	(-)	42	(1)	11	(-)	-	(-)	150	(5)	70	(4)	1	(-)	209	(5)	112	(5)
Truck	3	(1)	3	(-)	3	(-)	-	(-)	20	(2)	5	(-)	-	(-)	26	(3)	8	(-)
Bus	17	(-)	-	(-)	-	(-)	-	(-)	17	(-)	1	(-)	-	(-)	34	(-)	1	(-)
Motorcycle	24	(-)	11	(1)	5	(-)	1	(-)	42	(-)	4	(2)	1	(-)	71	(-)	16	(3)
Other	-	(-)	2	(-)	-	(-)	-	(-)	3	(1)	-	(-)	-	(-)	3	(1)	2	(-)
Unknown	-	(-)	-	(-)	-	(-)	-	(-)	-	(-)	-	(-)	-	(-)	-	(-)	-	(-)
SUBTOTAL	718	(6)	520	(17)	141	(3)	51	(-)	1097	(42)	581	(33)	4	(-)	1956	(51)	1152	(50)
OTHER ROAD USERS:																		
Pedal cyclists	608	(1)	116	(1)	40	(-)	11	(1)	60	(6)	7	(1)	-	(-)	708	(7)	134	(3)
Pedestrian	660	(10)	226	(7)	24	(3)	8	(2)	22	(3)	25	(10)	2	(-)	706	(16)	259	(19)
Other and unknown	45	(2)	2	(-)	2	(-)	-	(-)	1	(-)	-	(-)	-	(-)	48	(2)	2	(-)
SUBTOTAL	1313	(13)	344	(8)	66	(3)	19	(3)	83	(9)	32	(11)	2	(-)	1462	(25)	395	(22)
TOTAL	4979	(39)	2244	(54)	596	(9)	218	(7)	4047	(151)	1931	(113)	16	(2)	9622	(199)	4393	(174)

NOTE: The figures in brackets are numbers killed and are not included in the adjacent injury figures.



TABLE 9: MOVEMENT CLASSIFICATION OF CRASHES AND NUMBER OF CASUALTIES
YEAR ENDED 31 DECEMBER 2010

Movement classification	Number of crashes		Number of casualties			
	Injury	Fatal	Killed	Serious	Minor	Total
Overtaking or lane change	357	14	16	77	406	499
Head on (not overtaking)	544	65	81	295	774	1150
LOSS CONTROL OR OFF ROAD:						
• On straight	1186	42	42	283	1230	1555
• While cornering	2439	116	130	657	2602	3389
Collision with obstruction	384	8	8	65	363	436
Rear end	1152	8	9	69	1443	1521
INTERSECTIONS OR DRIVEWAYS:						
• Turning versus same direction	481	9	9	70	602	681
• Crossing no turns	725	8	10	121	910	1041
• Crossing vehicle turning	700	9	9	108	819	936
• Vehicles merging	216	1	1	28	223	252
• Right turn against	853	9	9	178	1007	1194
Vehicle manoeuvring	520	7	9	94	535	638
Pedestrian crossing road	762	21	21	173	638	832
Pedestrian other	145	12	13	46	115	174
Miscellaneous	85	8	8	25	75	108
TOTALS	10549	337	375	2289	11742	14406

FIGURE 12: MOVEMENT CLASSIFICATION OF CRASHES

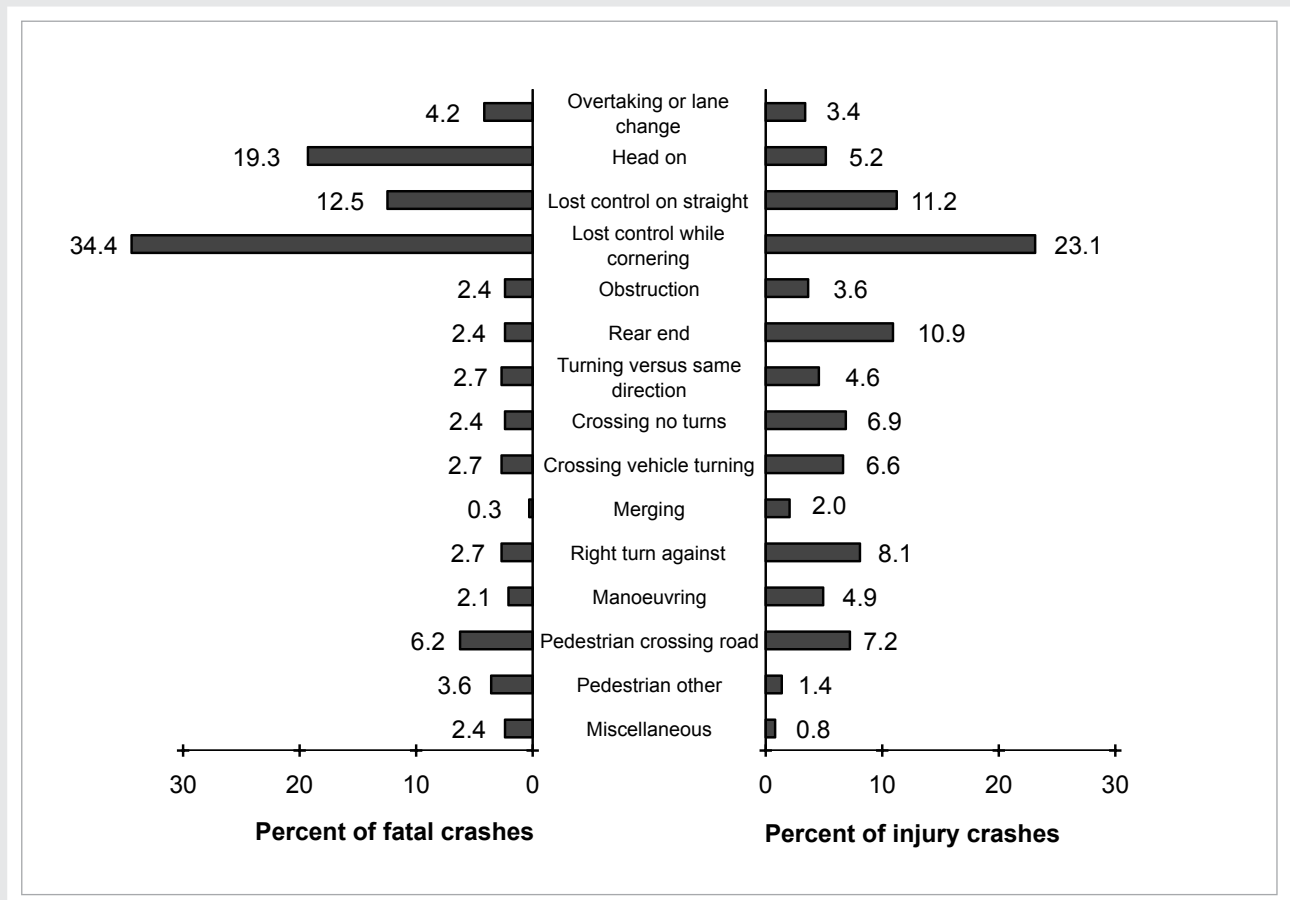


TABLE 10: CASUALTIES AND CRASHES EACH MONTH YEAR ENDED 31 DECEMBER 2010

Month	CASUALTIES												CRASHES				
	Driver		Passenger		Motorcyclist (1)		Pedestrian		Pedal cyclist		Other (2)		Totals	Number	Daily average		
January	630	(17)	315	(12)	130	(7)	61	(1)	62	(1)	4	(-)	1202	(38)	840	(33)	27
February	637	(15)	248	(7)	153	(6)	66	(2)	94	(-)	4	(-)	1202	(30)	909	(28)	32
March	725	(18)	246	(6)	120	(4)	86	(3)	101	(1)	7	(-)	1285	(32)	967	(32)	31
April	665	(23)	273	(10)	130	(5)	76	(3)	72	(1)	10	(-)	1226	(42)	909	(35)	30
May	697	(18)	217	(10)	121	(5)	120	(2)	62	(2)	2	(1)	1219	(38)	953	(34)	32
June	650	(7)	235	(7)	72	(2)	81	(3)	61	(-)	3	(-)	1102	(19)	851	(18)	27
July	760	(16)	326	(10)	78	(4)	93	(3)	73	(-)	2	(1)	1332	(34)	959	(28)	31
August	623	(10)	212	(7)	73	(2)	92	(2)	50	(-)	1	(-)	1051	(21)	827	(20)	27
September	586	(7)	212	(5)	93	(6)	82	(6)	61	(-)	5	(-)	1039	(24)	813	(20)	27
October	592	(18)	265	(7)	103	(1)	88	(4)	68	(-)	3	(-)	1119	(30)	815	(28)	26
November	578	(16)	199	(7)	109	(4)	57	(3)	88	(5)	3	(-)	1034	(35)	788	(30)	26
December	705	(15)	274	(10)	118	(4)	65	(3)	52	(-)	6	(-)	1220	(32)	918	(31)	30
TOTALS	7848	(180)	3022	(98)	1300	(50)	967	(35)	844	(10)	50	(2)	14031	(375)	10549	(337)	29

NOTES: The figures in brackets are numbers killed or the number of fatal crashes and are not included in the adjacent injury figures.

(1) Includes pillion passengers.

(2) Includes unknown road user types.

FIGURE 13: PERCENTAGE OF INJURIES BY MONTH AND TYPE OF ROAD USER

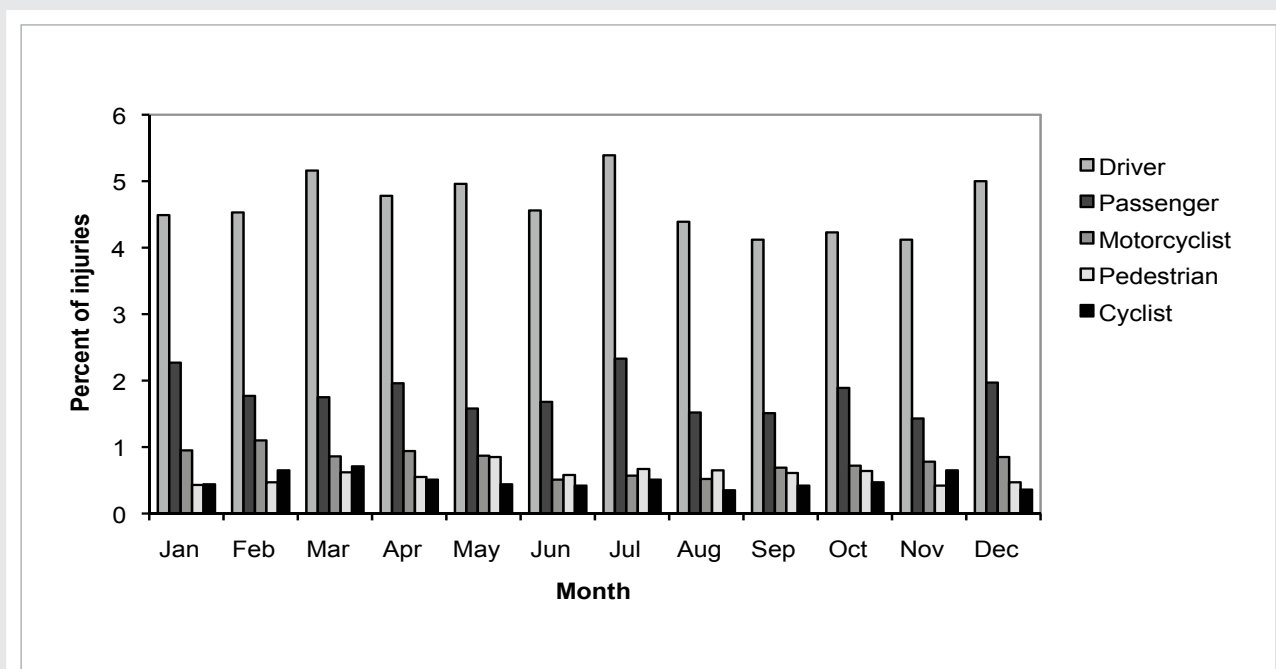


FIGURE 14: CRASH MOVEMENT CLASSIFICATION DIAGRAM

	TYPE	A	B	C	D	E	F	G	O
A	OVERTAKING AND LANE CHANGE	PULLING OUT OR CHANGING LANE TO RIGHT	HEAD ON	CUTTING IN OR CHANGING LANE TO LEFT	LOST CONTROL (OVERTAKING VEHICLE)	SIDE ROAD	LOST CONTROL (OVERTAKEN VEHICLE)	WEAIVING IN HEAVY TRAFFIC	OTHER
B	HEAD ON	ON STRAIGHT	CUTTING CORNER	SWINGING WIDE	BOTH OR UNKNOWN	LOST CONTROL ON STRAIGHT	LOST CONTROL ON CURVE		OTHER
C	LOST CONTROL OR OFF ROAD (STRAIGHT ROADS)	OUT OF CONTROL ON ROADWAY	OFF ROADWAY TO LEFT	OFF ROADWAY TO RIGHT					OTHER
D	CORNERING	LOST CONTROL TURNING RIGHT	LOST CONTROL TURNING LEFT	MISSED INTERSECTION OR END OF ROAD					OTHER
E	COLLISION WITH OBSTRUCTION	PARKED VEHICLE	CRASH OR BROKEN DOWN	NON VEHICULAR OBSTRUCTIONS (INCLUDING ANIMALS)	WORKMANS VEHICLE	OPENING DOOR			OTHER
F	REAR END	SLOWER VEHICLE	CROSS TRAFFIC	PEDESTRIAN	QUEUE	SIGNALS	OTHER		OTHER
G	TURNING VERSUS SAME DIRECTION	REAR OF LEFT TURNING VEHICLE	LEFT TURN SIDE SIDE SWIPE	STOPPED OR TURNING FROM LEFT SIDE	NEAR CENTRE LINE	OVERTAKING VEHICLE	TWO TURNING		OTHER
H	CROSSING (NO TURNS)	RIGHT ANGLE (70° TO 110°)							OTHER
J	CROSSING (VEHICLE TURNING)	RIGHT TURN RIGHT SIDE	OBSELETE	TWO TURNING					OTHER
K	MERGING	LEFT TURN IN	RIGHT TURN IN	TWO TURNING					OTHER
L	RIGHT TURN AGAINST	STOPPED WAITING TO TURN	MAKING TURN						OTHER
M	MANOEUVRING	PARKING OR LEAVING	"U" TURN	"U" TURN	DRIVEWAY MANOEUVRE	PARKING OPPOSITE	ENTERING OR LEAVING	REVERSING ALONG ROAD	OTHER
N	PEDESTRIANS CROSSING ROAD	LEFT SIDE	RIGHT SIDE	LEFT TURN LEFT SIDE	RIGHT TURN RIGHT SIDE	LEFT TURN RIGHT SIDE	RIGHT TURN LEFT SIDE	MANOEUVRING VEHICLE	OTHER
P	PEDESTRIANS OTHER	WALKING WITH TRAFFIC	WALKING FACING TRAFFIC	WALKING ON FOOTPATH	CHILD PLAYING (INCLUDING TRICYCLE)	ATTENDING TO VEHICLE	ENTERING OR LEAVING VEHICLE		OTHER
Q	MISCELLANEOUS	FELL WHILE BOARDING OR ALIGHTING	FELL FROM MOVING VEHICLE	TRAIN	PARKED VEHICLE RAN AWAY	EQUESTRIAN	FELL INSIDE VEHICLE	TRAILER OR LOAD	OTHER

NOTE: * = Movement applies for left and right hand bends, curves or turns.

TABLE 11: CRASHES CLASSIFIED BY TYPE OF MOVEMENT YEAR ENDED 31 DECEMBER 2010

	TYPE	A	B	C	D	E	F	G	O	TOTAL
A	Overtaking or lane change	96	23	100	75	1	16	10	50	371
B	Head on — not overtaking	79	97	116	14	75	214	-	14	609
C	Lost control — straight road	136	683	404	-	-	-	-	5	1228
D	Cornering	1430	1016	104	-	-	-	-	5	2555
E	Collision with obstruction	218	8	102	4	52	-	-	8	392
F	Rear end collision	165	99	66	665	113	45	-	7	1160
G	Turning versus same direction	55	74	49	212	81	11	-	8	490
H	Crossing no turns	727	-	-	-	-	-	-	6	733
J	Crossing vehicle turning	665	2	23	-	-	-	-	19	709
K	Vehicles merging	129	76	11	-	-	-	-	1	217
L	Right turn against	1	859	-	-	-	-	-	2	862
M	Vehicle manoeuvring	51	33	205	79	8	15	6	130	527
N	Pedestrian crossing road	351	232	28	47	10	63	41	11	783
P	Pedestrian other	20	2	32	5	7	7	-	84	157
Q	Miscellaneous	5	28	8	13	-	-	28	11	93
TOTAL CRASHES										10886

NOTE: See Figure 14 for a diagrammatic representation of this table.



TABLE 12: MOVEMENT CLASSIFICATION OF CRASHES INVOLVING CARS, SUVs, VANS AND TAXIS
YEAR ENDED 31 DECEMBER 2010

	TYPE	A	B	C	D	E	F	G	O	TOTAL
A	Overtaking or lane change	70	20	76	60	1	9	6	31	273
		66	19	53	18	0	5	9	21	191
B	Head on — not overtaking	70	80	87	11	70	196	-	10	524
		63	78	98	12	64	182	-	9	506
C	Lost control — straight road	66	624	369	-	-	-	-	3	1062
		36	80	47	-	-	-	-	1	164
D	Cornering	1176	846	94	-	-	-	-	3	2119
		75	72	15	-	-	-	-	1	163
E	Collision with obstruction	187	6	68	2	6	-	-	5	274
		195	8	9	2	49	-	-	1	264
F	Rear end collision	131	91	55	592	103	35	-	5	1012
		126	88	62	638	108	39	-	5	1066
G	Turning versus same direction	37	10	34	180	54	6	-	4	325
		49	64	36	204	67	5	-	6	431
H	Crossing no turns	652	-	-	-	-	-	-	5	657
		571	-	-	-	-	-	-	2	573
J	Crossing vehicle turning	467	1	21	-	-	-	-	2	491
		633	2	14	-	-	-	-	17	666
K	Vehicles merging	51	57	8	-	-	-	-	1	117
		115	61	6	-	-	-	-	0	182
L	Right turn against	1	577	-	-	-	-	-	2	580
		1	807	-	-	-	-	-	0	808
M	Vehicle manoeuvring	35	18	138	41	4	7	5	98	346
		50	31	189	62	7	12	2	55	408
N	Pedestrian crossing road	312	214	26	42	1	55	38	1	707
		0	0	0	0	0	0	0	0	0
P	Pedestrian other	15	1	31	5	7	6	-	71	136
		0	0	0	0	0	1	-	1	2
Q	Miscellaneous	5	17	7	8	-	-	19	6	62
		0	0	3	4	-	-	15	4	26
TOTAL CRASHES										8685
										5450

NOTE: See Figure 14 for a diagrammatic representation of this table.

Top figure in each cell is the 'key' vehicle (dark arrow). Lower figure in each cell is the second vehicle. Third, fourth etc vehicles are not shown.

TABLE 13: MOVEMENT CLASSIFICATION OF CRASHES INVOLVING BUSES AND TRUCKS
YEAR ENDED 31 DECEMBER 2010

	TYPE	A	B	C	D	E	F	G	O	TOTAL
A	Overtaking or lane change	9	0	18	0	0	7	-	5	39
		8	4	10	8	1	0	-	3	34
B	Head on — not overtaking	4	6	4	0	2	7	-	1	24
		11	8	12	2	10	27	-	2	72
C	Lost control — straight road	4	24	18	-	-	-	-	-	46
		7	7	6	-	-	-	-	-	20
D	Cornering	57	52	-	-	-	-	-	1	110
		2	4	-	-	-	-	-	0	6
E	Collision with obstruction	8	1	12	1	1	-	-	2	25
		22	0	2	2	2	-	-	1	29
F	Rear end collision	11	5	7	40	7	4	-	1	75
		7	0	0	16	2	2	-	0	27
G	Turning versus same direction	5	4	3	10	4	4	-	2	32
		4	9	3	4	8	2	-	0	30
H	Crossing no turns	23	-	-	-	-	-	-	0	23
		29	-	-	-	-	-	-	1	30
J	Crossing vehicle turning	32	-	-	-	-	-	-	-	32
		13	-	-	-	-	-	-	-	13
K	Vehicles merging	8	4	1	-	-	-	-	-	13
		4	4	0	-	-	-	-	-	8
L	Right turn against	-	23	-	-	-	-	-	-	23
		-	24	-	-	-	-	-	-	24
M	Vehicle manoeuvring	1	0	11	1	-	1	0	2	16
		0	1	8	5	-	1	2	3	20
N	Pedestrian crossing road	28	11	2	5	-	7	3	1	57
		0	0	0	0	-	0	0	0	0
P	Pedestrian other	5	-	1	-	-	1	-	9	16
		0	-	0	-	-	0	-	0	0
Q	Miscellaneous	-	5	1	5	-	-	9	3	23
		-	0	0	0	-	-	2	0	2
TOTAL CRASHES										554
										315

NOTE: See Figure 14 for a diagrammatic representation of this table.

Top figure in each cell is the 'key' vehicle (dark arrow). Lower figure in each cell is the second vehicle. Third, fourth etc vehicles are not shown.

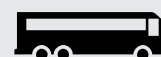


TABLE 14: MOVEMENT CLASSIFICATION OF CRASHES INVOLVING MOTORCYCLES
YEAR ENDED 31 DECEMBER 2010

	TYPE	A	B	C	D	E	F	G	O	TOTAL
A	Overtaking or lane change	1	3	3	13	-	0	4	7	31
		17	0	17	0	-	1	1	6	42
B	Head on — not overtaking	2	8	21	1	2	10	-	2	46
		2	5	5	0	1	3	-	2	18
C	Lost control — straight road	62	30	16	-	-	-	-	2	110
		1	3	0	-	-	-	-	0	4
D	Cornering	196	116	6	-	-	-	-	1	319
		3	2	0	-	-	-	-	0	5
E	Collision with obstruction	11	-	21	1	1	-	-	1	35
		0	-	1	0	0	-	-	0	1
F	Rear end collision	17	3	3	31	2	5	-	1	62
		7	10	1	11	3	2	-	1	35
G	Turning versus same direction	7	19	11	21	20	0	-	1	79
		2	0	2	2	3	2	-	0	11
H	Crossing no turns	16	-	-	-	-	-	-	-	16
		40	-	-	-	-	-	-	-	40
J	Crossing vehicle turning	93	1	1	-	-	-	-	1	96
		6	0	5	-	-	-	-	0	11
K	Vehicles merging	16	11	1	-	-	-	-	-	28
		4	5	1	-	-	-	-	-	10
L	Right turn against	-	142	-	-	-	-	-	-	142
		-	14	-	-	-	-	-	-	14
M	Vehicle manoeuvring	9	9	44	12	3	3	1	17	98
		1	1	4	2	1	1	0	5	15
N	Pedestrian crossing road	11	7	-	-	-	1	-	-	19
		0	0	-	-	-	0	-	-	0
P	Pedestrian other	-	1	-	-	-	-	-	3	4
		-	0	-	-	-	-	-	0	0
Q	Miscellaneous	-	6	-	-	-	-	-	2	8
		-	1	-	-	-	-	-	1	2
TOTAL CRASHES										1093
										208

NOTE: See Figure 14 for a diagrammatic representation of this table.

Top figure in each cell is the 'key' vehicle (dark arrow). Lower figure in each cell is the second vehicle. Third, fourth etc vehicles are not shown.

TABLE 15: MOVEMENT CLASSIFICATION OF CRASHES INVOLVING PEDAL CYCLES
YEAR ENDED 31 DECEMBER 2010

	TYPE	A	B	C	D	E	F	G	O	TOTAL
A	Overtaking or lane change	16	-	3	2	-	0	-	7	28
		5	-	20	4	-	9	-	19	57
B	Head on — not overtaking	3	3	4	2	1	1	-	1	15
		2	5	1	0	0	2	-	1	11
C	Lost control — straight road	4	5	1	-	-	-	-	-	10
		0	2	0	-	-	-	-	-	2
D	Cornering	1	2	4	-	-	-	-	-	7
		2	1	1	-	-	-	-	-	4
E	Collision with obstruction	12	1	1	-	44	-	-	-	58
		1	0	0	-	1	-	-	-	2
F	Rear end collision	6	0	1	2	1	1	-	0	11
		23	1	0	0	0	2	-	1	27
G	Turning versus same direction	6	41	1	1	3	1	-	1	54
		0	1	8	2	3	2	-	2	18
H	Crossing no turns	34	-	-	-	-	-	-	1	35
		87	-	-	-	-	-	-	3	90
J	Crossing vehicle turning	73	-	1	-	-	-	-	16	90
		13	-	4	-	-	-	-	2	19
K	Vehicles merging	54	4	1	-	-	-	-	0	59
		6	6	4	-	-	-	-	1	17
L	Right turn against	-	117	-	-	-	-	-	0	117
		-	13	-	-	-	-	-	2	15
M	Vehicle manoeuvring	6	6	12	24	1	4	-	13	66
		0	0	4	6	0	1	-	13	24
N	Pedestrian crossing road	0	0	-	-	-	-	-	-	0
		1	1	-	-	-	-	-	-	2
P	Pedestrian other	-	-	-	0	-	-	-	-	0
		-	-	-	1	-	-	-	-	1
Q	Miscellaneous	-	-	-	-	-	-	0	-	0
		-	-	-	-	-	-	1	-	1
TOTAL CRASHES										550
										290

NOTE: See Figure 14 for a diagrammatic representation of this table.

Top figure in each cell is the 'key' vehicle (dark arrow). Lower figure in each cell is the second vehicle. Third, fourth etc vehicles are not shown.



TABLE 16: MOVEMENT CLASSIFICATION OF INJURY CRASHES ON OPEN AND URBAN ROADS
YEAR ENDED 31 DECEMBER 2010

Movement classification	URBAN ROADS			OPEN ROADS			UNKNOWN AREA	Total number of injury crashes
	Number of injury crashes	As a % of all injury crashes	Number during darkness	Number of injury crashes	As a % of all injury crashes	Number during darkness	Number of injury crashes	
Overtaking or lane change	171	1.6	39	185	1.8	57	1	357
Head on (not overtaking)	233	2.2	85	311	2.9	77	-	544
LOSS CONTROL OR OFF ROAD:								
• On straight	502	4.8	242	683	6.5	259	1	1186
• While cornering	791	7.5	436	1644	15.6	647	4	2439
Collision with obstruction	279	2.6	99	105	1.0	70	-	384
Rear end	706	6.7	135	445	4.2	91	1	1152
INTERSECTIONS OR DRIVEWAYS:								
• Turning versus same direction	328	3.1	41	153	1.5	23	-	481
• Crossing no turns	627	5.9	152	97	0.9	8	1	725
• Crossing vehicle turning	555	5.3	104	145	1.4	21	-	700
• Vehicles merging	182	1.7	36	34	0.3	7	-	216
• Right turn against	727	6.9	225	125	1.2	34	1	853
Vehicle manoeuvring	440	4.2	90	79	0.7	14	1	520
Pedestrian crossing road	738	7.0	173	23	0.2	8	1	762
Pedestrian other	124	1.2	32	20	0.2	15	1	145
Miscellaneous	46	0.4	15	39	0.4	5	-	85
TOTALS	6449	61.1	1904	4088	38.8	1336	12	10549

NOTE: Fatal crashes are not included in this table (see Table 17).

TABLE 17: MOVEMENT CLASSIFICATION OF FATAL CRASHES ON OPEN AND URBAN ROADS
YEAR ENDED 31 DECEMBER 2010

Movement classification	URBAN ROADS			OPEN ROADS			UNKNOWN AREA	Total number of fatal crashes
	Number of fatal crashes	As a % of all fatal crashes	Number during darkness	Number of fatal crashes	As a % of all fatal crashes	Number during darkness	Number of fatal crashes	
Overtaking or lane change	2	0.6	1	12	3.6	2	-	14
Head on (not overtaking)	2	0.6	-	63	18.7	15	-	65
LOSS CONTROL OR OFF ROAD:								
• On straight	15	4.5	6	26	7.7	11	1	42
• While cornering	32	9.5	22	83	24.6	48	1	116
Collision with obstruction	4	1.2	3	4	1.2	3	-	8
Rear end	1	0.3	-	7	2.1	1	-	8
INTERSECTIONS OR DRIVEWAYS:								
• Turning versus same direction	2	0.6	1	7	2.1	3	-	9
• Crossing no turns	6	1.8	6	2	0.6	1	-	8
• Crossing vehicle turning	1	0.3	1	8	2.4	3	-	9
• Vehicles merging	1	0.3	-	-	-	-	-	1
• Right turn against	4	1.2	1	5	1.5	2	-	9
Vehicle manoeuvring	4	1.2	1	3	0.9	-	-	7
Pedestrian crossing road	15	4.5	5	6	1.8	4	-	21
Pedestrian other	5	1.5	4	7	2.1	6	-	12
Miscellaneous	4	1.2	-	4	1.2	2	-	8
TOTALS	98	29.1	51	237	70.3	101	2	337

NOTES: For movement classification see Note 9.

For area classification see Note 11.

TABLE 18: INJURY CRASHES BY TIME OF DAY AND DAY OF WEEK YEAR ENDED 31 DECEMBER 2010

Time of day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	TOTALS
Midnight to 12.59am	11	17	16	30	32	43	50	199
1am to 1.59am	13	6	13	25	23	60	49	189
2am to 2.59am	1	4	19	14	22	48	53	161
3am to 3.59am	3	12	4	7	20	31	46	123
4am to 4.59am	8	12	8	11	16	34	35	124
5am to 5.59am	17	13	17	23	27	23	42	162
6am to 6.59am	35	34	53	27	52	31	26	258
7am to 7.59am	67	69	69	88	83	43	20	439
8am to 8.59am	110	133	163	125	103	51	35	720
9am to 9.59am	77	81	72	85	75	73	35	498
10am to 10.59am	65	72	68	74	74	85	63	501
11am to 11.59am	56	65	62	75	80	99	77	514
noon to 12.59pm	76	86	63	90	96	98	87	596
1pm to 1.59pm	84	84	63	89	90	105	83	598
2pm to 2.59pm	86	85	101	82	115	103	89	661
3pm to 3.59pm	109	111	117	138	151	99	92	817
4pm to 4.59pm	102	118	131	129	134	95	98	807
5pm to 5.59pm	132	142	140	148	133	94	102	891
6pm to 6.59pm	80	94	93	85	117	99	83	651
7pm to 7.59pm	41	47	60	74	89	58	62	431
8pm to 8.59pm	31	39	47	47	68	47	36	315
9pm to 9.59pm	29	34	46	63	59	74	31	336
10pm to 10.59pm	24	27	38	49	51	59	29	277
11pm to 11.59pm	16	20	26	30	56	50	27	225
Unknown time	6	6	4	10	10	9	11	56
TOTALS	1279	1411	1493	1618	1776	1611	1361	10549

NOTE: Fatal crashes are not included in this table (see Table 19).

FIGURE 15: INJURY CRASHES BY TIME OF DAY AND DAY OF WEEK

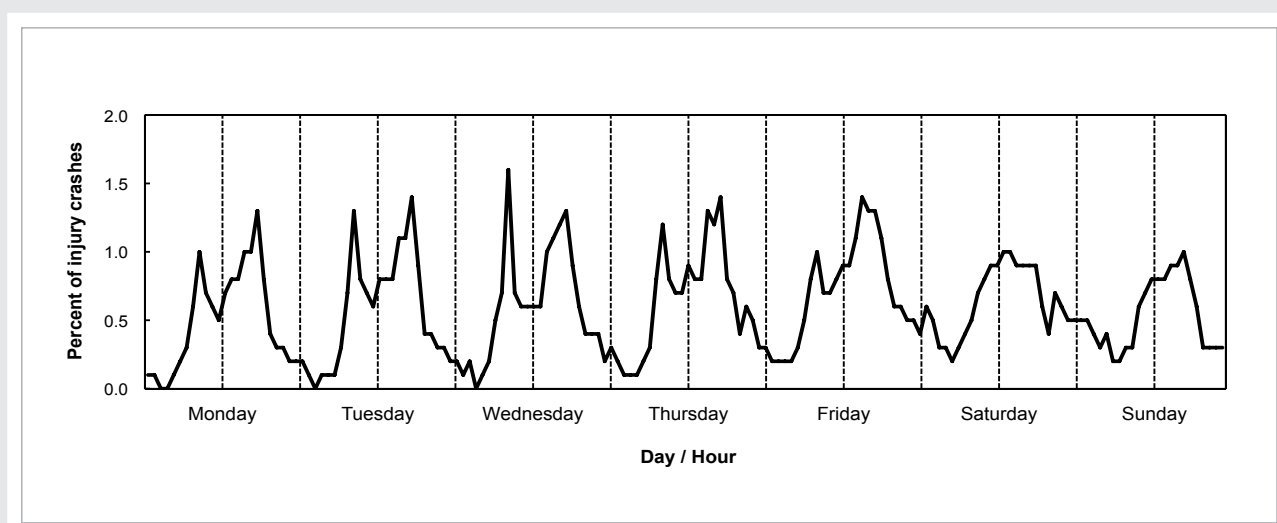


TABLE 19: FATAL CRASHES BY TIME OF DAY AND DAY OF WEEK YEAR ENDED 31 DECEMBER 2010

Time of day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	TOTALS
Midnight to 12.59am	2	-	3	2	1	1	4	13
1am to 1.59am	1	2	-	2	1	5	5	16
2am to 2.59am	1	1	-	-	1	3	3	9
3am to 3.59am	-	-	-	3	-	-	-	3
4am to 4.59am	3	-	1	1	1	-	3	9
5am to 5.59am	-	-	3	1	1	2	2	9
6am to 6.59am	4	1	-	-	1	1	-	7
7am to 7.59am	-	2	3	5	-	3	2	15
8am to 8.59am	1	2	2	-	-	3	3	11
9am to 9.59am	4	-	4	1	1	1	1	12
10am to 10.59am	1	1	1	2	2	1	2	10
11am to 11.59am	1	1	5	-	-	6	1	14
noon to 12.59pm	-	1	2	4	1	3	3	14
1pm to 1.59pm	3	2	3	5	-	2	4	19
2pm to 2.59pm	2	4	6	2	4	5	4	27
3pm to 3.59pm	5	2	1	2	3	3	4	20
4pm to 4.59pm	3	2	1	2	8	2	3	21
5pm to 5.59pm	2	3	3	3	3	2	3	19
6pm to 6.59pm	-	-	2	1	5	2	3	13
7pm to 7.59pm	-	1	2	2	1	3	1	10
8pm to 8.59pm	2	2	1	2	4	6	2	19
9pm to 9.59pm	1	4	2	2	7	2	2	20
10pm to 10.59pm	2	-	-	-	2	5	-	9
11pm to 11.59pm	-	1	2	1	3	4	1	12
Unknown time	-	1	-	-	2	-	3	6
TOTALS	38	33	47	43	52	65	59	337

FIGURE 16: FATAL CRASHES BY TIME OF DAY AND DAY OF WEEK

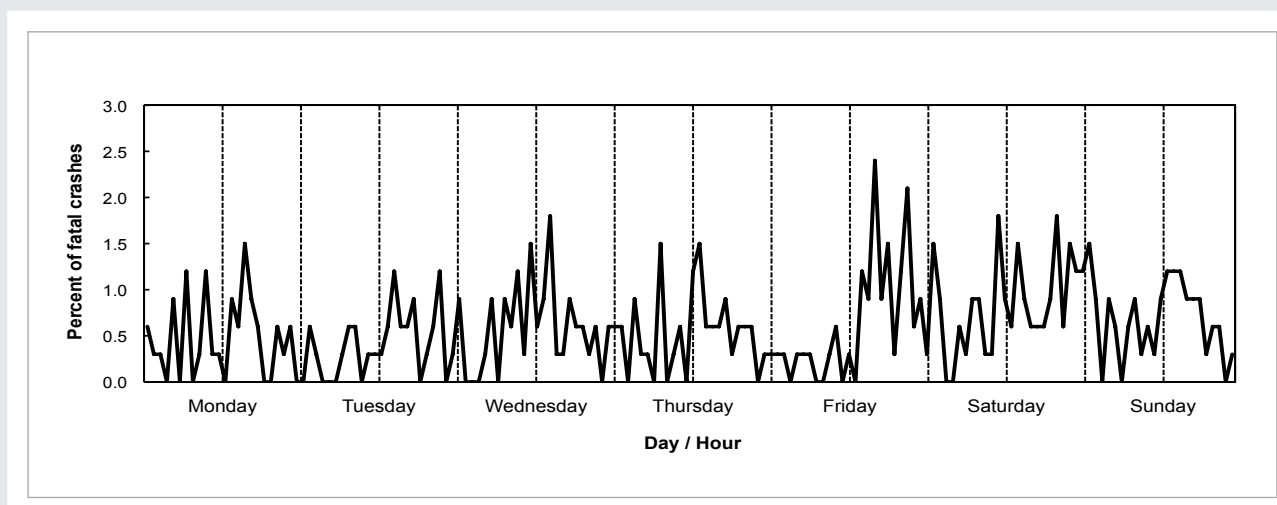


TABLE 20: LIGHT AND WEATHER CONDITIONS PREVAILING WHEN INJURY CRASHES OCCURRED
YEAR ENDED 31 DECEMBER 2010

LIGHT CONDITIONS	FINE	HEAVY RAIN	LIGHT RAIN	MIST	SNOW	UNKNOWN	TOTAL
BRIGHT SUN	4170	6	38	4	1	10	4229
OVERCAST	1853	62	860	260	11	22	3068
TWILIGHT:							
• Street lights on	107	1	31	8	-	-	147
• Street lights off	154	2	14	1	1	-	172
• No street lights	112	6	19	6	-	-	143
• Not stated	-	-	-	-	-	-	-
TWILIGHT SUBTOTAL	373	9	64	15	1	-	462
DARK:							
• Street lights on	1253	23	362	121	1	9	1769
• Street lights off	32	-	9	2	-	-	43
• No street lights	662	49	188	56	4	8	967
• Not stated	-	-	-	-	-	-	-
DARK SUBTOTAL	1947	72	559	179	5	17	2779
UNKNOWN LIGHT	6	-	-	-	-	5	11
TOTAL	8349	149	1521	458	18	54	10549

NOTE: Fatal crashes are not included in this table (see Table 21).

TABLE 21: LIGHT AND WEATHER CONDITIONS PREVAILING WHEN FATAL CRASHES OCCURRED
YEAR ENDED 31 DECEMBER 2010

LIGHT CONDITIONS	FINE	HEAVY RAIN	LIGHT RAIN	MIST	SNOW	UNKNOWN	TOTAL
BRIGHT SUN	108	-	-	-	1	-	109
OVERCAST	44	4	22	4	-	-	74
TWILIGHT:							
• Street lights on	1	-	-	-	-	-	1
• Street lights off	2	-	-	-	-	-	2
• No street lights	11	-	1	-	-	-	12
• Not stated	-	-	-	-	-	-	-
TWILIGHT SUBTOTAL	14	-	1	-	-	-	15
DARK:							
• Street lights on	47	2	5	2	-	-	56
• Street lights off	-	1	1	-	-	-	2
• No street lights	56	3	16	3	-	1	79
• Not stated	-	-	-	-	-	-	-
DARK SUBTOTAL	103	6	22	5	-	1	137
UNKNOWN LIGHT	1	-	-	-	-	1	2
TOTAL	270	10	45	9	1	2	337



TABLE 22: OBJECTS COLLIDED WITH IN INJURY CRASHES ON OPEN AND URBAN ROADS
YEAR ENDED 31 DECEMBER 2010

Objects struck	URBAN ROADS			OPEN ROADS			UNKNOWN AREA	Total number of objects
	Number of objects	As a % of all objects	Number during darkness	Number of objects	As a % of all objects	Number during darkness	Number of objects	
Driven or accompanied animals	-	-	-	-	-	-	-	-
Bridge or approach rails	20	0.4	10	53	1.0	20	-	73
Upright cliff or bank	87	1.6	41	519	9.5	194	-	606
Debris on the road	4	0.1	1	31	0.6	7	-	35
Over the bank or cliff	69	1.3	34	229	4.2	83	-	298
Fence, letterbox, hoarding	357	6.5	180	631	11.5	264	2	990
Guard rail	51	0.9	34	212	3.9	87	1	264
House or building	95	1.7	47	7	0.1	4	-	102
Traffic island or median	68	1.2	42	18	0.3	6	-	86
Phone boxes, bus shelters etc	37	0.7	15	8	0.1	2	-	45
Kerb	136	2.5	74	15	0.3	6	-	151
Slip, washout or flood	2	0.0	1	6	0.1	4	-	8
Parked vehicle	514	9.4	204	14	0.3	4	-	528
Train	6	0.1	3	2	0.0	-	-	8
Pole or post	371	6.8	196	233	4.3	102	2	606
Broken down or accident vehicles	114	2.1	28	30	0.5	11	-	144
Road works signs or drums	5	0.1	2	3	0.1	2	-	8
Traffic sign or signals	121	2.2	61	114	2.1	44	-	235
Tree	220	4.0	122	329	6.0	140	-	549
Stray or wild animals	8	0.1	3	52	0.9	47	-	60
Ditch	38	0.7	17	457	8.3	164	-	495
Into water, river or sea	14	0.3	7	55	1.0	24	1	70
Other	55	1.0	22	66	1.2	32	-	121
TOTALS	2392	43.6	1144	3084	56.3	1247	6	5482

NOTE: For area classification see Note 11.

Fatal crashes are not included in this table (see Table 23).

TABLE 23: OBJECTS COLLIDED WITH IN FATAL CRASHES ON OPEN AND URBAN ROADS
YEAR ENDED 31 DECEMBER 2010

Objects struck	URBAN ROADS			OPEN ROADS			UNKNOWN AREA	Total number of objects
	Number of objects	As a % of all objects	Number during darkness	Number of objects	As a % of all objects	Number during darkness	Number of objects	
Driven or accompanied animals	1	0.3	-	-	-	-	-	1
Bridge or approach rails	2	0.7	1	7	2.3	3	-	9
Upright cliff or bank	1	0.3	1	21	7.0	12	1	23
Debris on the road	-	-	-	1	0.3	-	-	1
Over the bank or cliff	6	2.0	2	24	7.9	10	1	31
Fence, letterbox, hoarding	11	3.6	7	36	11.9	22	1	48
Guard rail	4	1.3	3	13	4.3	8	1	18
House or building	6	2.0	3	-	-	-	1	7
Traffic island or median	9	3.0	6	-	-	-	-	9
Phone boxes, bus shelters etc	-	-	-	1	0.3	-	-	1
Kerb	10	3.3	7	2	0.7	1	-	12
Slip, washout or flood	-	-	-	1	0.3	-	-	1
Parked vehicle	8	2.6	3	1	0.3	-	-	9
Train	-	-	-	-	-	-	-	-
Pole or post	16	5.3	11	23	7.6	14	-	39
Broken down or accident vehicles	1	0.3	-	2	0.7	1	-	3
Road works signs or drums	-	-	-	1	0.3	1	-	1
Traffic sign or signals	6	2.0	5	3	1.0	1	-	9
Tree	13	4.3	8	24	7.9	15	-	37
Stray or wild animals	-	-	-	1	0.3	1	-	1
Ditch	3	1.0	2	18	6.0	11	1	22
Into water, river or sea	4	1.3	3	6	2.0	3	-	10
Other	2	0.7	2	8	2.6	4	-	10
TOTALS	103	34.1	64	193	63.9	107	6	302

NOTE: For area classification see Note 11.



TABLE 24: INJURY CRASHES BY ROAD FEATURE ON OPEN AND URBAN ROADS
YEAR ENDED 31 DECEMBER 2010

ROAD FEATURE	URBAN ROADS			OPEN ROADS			UNKNOWN AREA	Total number of injury crashes
	Number of injury crashes	As a % of all injury crashes	Number during darkness	Number of injury crashes	As a % of all injury crashes	Number during darkness	Number of injury crashes	
INTERSECTIONS								
Controlled by:								
Traffic signals	846	8.0	311	34	0.3	11	2	882
Stop sign	429	4.1	99	188	1.8	37	1	618
Roundabout	303	2.9	93	27	0.3	3	-	330
Other give way sign	1095	10.4	290	302	2.9	79	1	1398
Points man or school patrol	2	0.0	-	-	-	-	-	2
Uncontrolled	707	6.7	226	195	1.8	68	1	903
SUBTOTAL	3382	32.1	1019	746	7.1	198	5	4133
NON-INTERSECTIONS								
Bridge	55	0.5	22	146	1.4	47	-	201
Railway crossing	11	0.1	4	5	0.0	2	-	16
Motorway on-off ramp	8	0.1	1	29	0.3	12	-	37
Raised islands	237	2.2	65	97	0.9	40	-	334
Straight road	2062	19.5	521	1265	12.0	413	4	3331
Easy curve	378	3.6	150	727	6.9	257	2	1107
Moderate curve	256	2.4	99	877	8.3	304	1	1134
Severe curve	60	0.6	23	196	1.9	63	-	256
Not stated	-	-	-	-	-	-	-	-
SUBTOTAL	3067	29.1	885	3342	31.7	1138	7	6416
TOTAL	6449	61.1	1904	4088	38.8	1336	12	10549

NOTES: For urban/open road classification see Note 11.

Fatal crashes are not included in this table (see Table 25).

TABLE 25: FATAL CRASHES BY ROAD FEATURE ON OPEN AND URBAN ROADS
YEAR ENDED 31 DECEMBER 2010

ROAD FEATURE	URBAN ROADS			OPEN ROADS			UNKNOWN AREA	Total number of fatal crashes
	Number of fatal crashes	As a % of all fatal crashes	Number during darkness	Number of fatal crashes	As a % of all fatal crashes	Number during darkness	Number of fatal crashes	
INTERSECTIONS								
Controlled by:								
Traffic signals	9	2.7	6	-	-	-	-	9
Stop sign	4	1.2	1	7	2.1	3	-	11
Roundabout	3	0.9	2	-	-	-	-	3
Other give way sign	14	4.2	6	16	4.7	8	-	30
Points man or school patrol	-	-	-	-	-	-	-	-
Uncontrolled	6	1.8	5	8	2.4	3	-	14
SUBTOTAL	36	10.7	20	31	9.2	14	-	67
NON-INTERSECTIONS								
Bridge	3	0.9	2	10	3.0	3	-	13
Railway crossing	-	-	-	-	-	-	-	-
Motorway on-off ramp	-	-	-	-	-	-	-	-
Raised islands	7	2.1	3	5	1.5	1	-	12
Straight road	31	9.2	16	64	19.0	28	1	96
Easy curve	9	2.7	4	66	19.6	29	-	75
Moderate curve	9	2.7	5	52	15.4	24	1	62
Severe curve	3	0.9	1	9	2.7	2	-	12
Not stated	-	-	-	-	-	-	-	-
SUBTOTAL	62	18.4	31	206	61.1	87	2	270
TOTAL	98	29.1	51	237	70.3	101	2	337

NOTE: For urban/open road classification see Note 11.



FIGURE 17: FACTORS CONTRIBUTING TO CRASHES

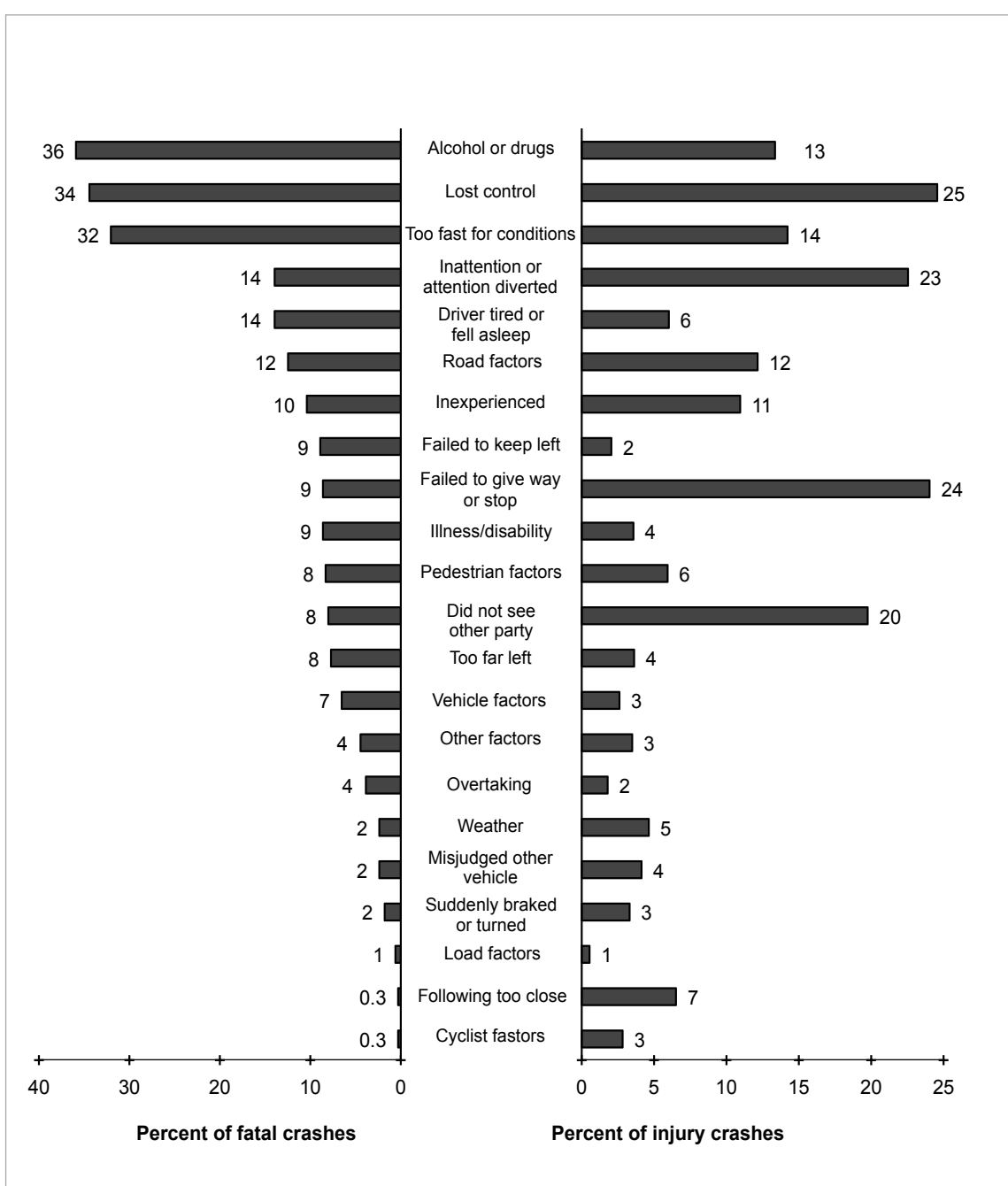


TABLE 26: FACTORS CONTRIBUTING TO CRASHES YEAR ENDED 31 DECEMBER 2010

FACTORS	MOTOR VEHICLE		MOTORCYCLE		PEDAL CYCLE		TOTALS	
DRIVER/RIDER CONTROL FACTORS								
Alcohol or drugs								
Alcohol suspected	227	(14)	29	(-)	-	(-)	256	(14)
Any test negative	239	(16)	14	(6)	-	(-)	253	(22)
All tests positive or refused	971	(74)	72	(11)	-	(-)	1043	(85)
Result of test unknown	78	(7)	13	(-)	-	(-)	91	(7)
Intoxicated non-driver (pedestrian/cyclist/passenger)	9	(-)	-	(-)	32	(-)	41	(-)
Not suspected and test negative	-	(86)	-	(23)	-	(-)	-	(109)
Drug test result unknown	1	(1)	-	(-)	-	(-)	1	(1)
Drugs suspected	37	(6)	-	(5)	-	(-)	37	(11)
Drugs proven	19	(8)	-	(3)	1	(-)	20	(11)
Other	1	(-)	-	(-)	-	(-)	1	(-)
Totals	1582	(212)	128	(48)	33	(-)	1743	(260)
Too fast for conditions								
Cornering	899	(55)	98	(9)	5	(-)	1002	(64)
On straight	264	(14)	36	(4)	11	(-)	311	(18)
To give way at intersection	24	(4)	1	(-)	4	(-)	29	(4)
Approaching railway crossing	-	(-)	-	(-)	-	(-)	-	(-)
Passing stationary school bus	-	(-)	-	(-)	-	(-)	-	(-)
At temporary speed limit	31	(1)	2	(-)	-	(-)	33	(1)
At crash or emergency	2	(-)	-	(-)	-	(-)	2	(-)
Other	148	(15)	9	(6)	4	(-)	161	(21)
Totals	1368	(89)	146	(19)	24	(-)	1538	(108)
Failed to keep left								
Swung wide on bend	53	(12)	12	(3)	2	(-)	67	(15)
Swung wide at an intersection	19	(-)	1	(-)	1	(-)	21	(-)
Cutting corner:								
• on bend	50	(4)	5	(4)	2	(-)	57	(8)
• at an intersection	23	(-)	-	(-)	1	(-)	24	(-)
On straight	39	(6)	-	(-)	2	(-)	41	(6)
Vehicle crossed raised median	1	(-)	-	(-)	-	(-)	1	(-)
Driving or riding abreast (cyclists more than 2 abreast)	-	(-)	-	(-)	4	(-)	4	(-)
Wandering or wobbling	3	(-)	-	(-)	7	(-)	10	(-)
Too far left/right	365	(24)	25	(2)	10	(-)	400	(26)
Other	16	(1)	1	(-)	1	(-)	18	(1)
Totals	569	(47)	44	(9)	30	(-)	643	(56)

(Continued)

NOTE: The figures in brackets are the number of factors in fatal crashes and are not included in the adjacent totals.
See Note 10.



TABLE 26: FACTORS CONTRIBUTING TO CRASHES YEAR ENDED 31 DECEMBER 2010

FACTORS	MOTOR VEHICLE		MOTORCYCLE		PEDAL CYCLE		TOTALS	
DRIVER/RIDER CONTROL FACTORS								
Lost control								
When turning	1117	(39)	147	(6)	3	(-)	1267	(45)
Under heavy braking	121	(2)	46	(-)	1	(-)	168	(2)
Under heavy acceleration	59	(1)	9	(-)	-	(-)	68	(1)
While returning to seal from unsealed shoulder	161	(21)	7	(1)	-	(-)	168	(22)
Due to road conditions	273	(8)	76	(-)	1	(-)	350	(8)
Due to vehicle fault	46	(1)	10	(-)	2	(-)	58	(1)
Avoiding another vehicle, pedestrian, party or obstacle on roadway	82	(3)	30	(-)	4	(-)	116	(3)
On unsealed road	64	(1)	10	(-)	-	(-)	74	(1)
End of seal	21	(-)	2	(-)	-	(-)	23	(-)
Other	369	(33)	34	(1)	5	(-)	408	(34)
Totals	2313	(109)	371	(8)	16	(-)	2700	(117)
Failed to signal in time								
When moving to left, pulling over to left	6	(-)	-	(-)	-	(-)	6	(-)
When turning left	4	(-)	-	(-)	-	(-)	4	(-)
When pulling out or moving to the right	4	(-)	-	(-)	-	(-)	4	(-)
When turning right	16	(-)	-	(-)	1	(-)	17	(-)
Incorrect signal	28	(1)	2	(-)	-	(-)	30	(1)
Other	4	(-)	-	(-)	-	(-)	4	(-)
Totals	62	(1)	2	(-)	1	(-)	65	(1)
Overtaking								
A line of traffic or queue	15	(-)	13	(-)	-	(-)	28	(-)
Deliberately in the face of oncoming traffic	3	(2)	-	(-)	-	(-)	3	(2)
Failed to notice oncoming traffic	9	(4)	1	(1)	-	(-)	10	(5)
Misjudged speed or distance of oncoming traffic	3	(-)	-	(-)	-	(-)	3	(-)
At no passing line	5	(1)	-	(-)	1	(-)	6	(1)
With insufficient visibility	12	(1)	3	(-)	-	(-)	15	(1)
At an intersection without due care	9	(-)	6	(-)	2	(-)	17	(-)
On left without due care	12	(-)	25	(1)	10	(-)	47	(1)
Cut in after overtaking	25	(-)	-	(-)	1	(-)	26	(-)
Vehicle signalling right turn	36	(-)	13	(2)	2	(-)	51	(2)
Carelessly at a pedestrian crossing	-	(-)	-	(-)	-	(-)	-	(-)
Other	11	(2)	8	(-)	-	(-)	19	(2)
Totals	140	(10)	69	(4)	16	(-)	225	(14)

(Continued)

NOTE: The figures in brackets are the number of factors in fatal crashes and are not included in the adjacent totals. See Note 10.

TABLE 26: FACTORS CONTRIBUTING TO CRASHES YEAR ENDED 31 DECEMBER 2010

FACTORS	MOTOR VEHICLE	MOTORCYCLE	PEDAL CYCLE	TOTALS				
DRIVER/RIDER CONTROL FACTORS								
Wrong lane or turned from wrong position								
Turned right from incorrect lane	12	(-)	-	(-)	12	(-)		
Turned left from incorrect lane	4	(-)	-	(-)	4	(-)		
Travelled straight ahead from turning lane or flush median	3	(-)	2	(-)	1	(-)	6	(-)
Turned right from left side of road	23	(1)	2	(-)	4	(-)	29	(1)
Turned left from near centre line	9	(-)	-	(-)	-	(-)	9	(-)
Turned into incorrect lane	3	(-)	-	(-)	-	(-)	3	(-)
Weaving or cut in on multi-lane roads	5	(-)	1	(-)	-	(-)	6	(-)
Moved left to avoid slow vehicle	-	(-)	-	(-)	-	(-)	-	(-)
Long vehicle tracked outside lane	4	(-)	-	(-)	-	(-)	4	(-)
Other	2	(-)	-	(-)	2	(-)	4	(-)
Totals	65	(1)	5	(-)	7	(-)	77	(1)
In line of traffic								
Following too closely	697	(1)	48	(-)	4	(-)	749	(1)
Travelling unreasonably slowly	-	(-)	1	(-)	-	(-)	1	(-)
Motorist crowded cyclist	17	(-)	-	(-)	-	(-)	17	(-)
Incorrect merging manoeuvre	11	(-)	-	(-)	-	(-)	11	(-)
Other	-	(-)	-	(-)	-	(-)	-	(-)
Totals	725	(1)	49	(-)	4	(-)	778	(1)
Sudden action								
Braked	109	(-)	9	(-)	1	(-)	119	(-)
Turned left	1	(-)	-	(-)	1	(-)	2	(-)
Turned right	5	(-)	-	(-)	-	(-)	5	(-)
Swerved to avoid:								
• pedestrian	7	(-)	-	(-)	-	(-)	7	(-)
• animal	43	(-)	3	(-)	1	(-)	47	(-)
• crash or broken down vehicle	1	(-)	1	(-)	-	(-)	2	(-)
• vehicle	131	(5)	33	(-)	9	(-)	173	(5)
• object or for unknown reason	11	(-)	1	(-)	-	(-)	12	(-)
Avoiding approaching emergency vehicle	2	(-)	1	(-)	-	(-)	3	(-)
Other	8	(-)	2	(1)	-	(-)	10	(1)
Totals	318	(5)	50	(1)	12	(-)	380	(6)
Forbidden movements								
Wrong way in one way street, motorway or roundabout	7	(1)	-	(-)	1	(-)	8	(1)
When turning or U turning contrary to a sign	15	(-)	-	(-)	-	(-)	15	(-)
Contrary to 'in' or 'out' only driveway signs	-	(-)	-	(-)	-	(-)	-	(-)
Driving or riding on footpath	2	(1)	6	(-)	72	(-)	80	(1)
On incorrect side of island or median	35	(3)	5	(1)	8	(-)	48	(4)
Contrary to 'No Entry' sign	1	(-)	-	(-)	-	(-)	1	(-)
In car park	-	(-)	-	(-)	-	(-)	-	(-)
Motor vehicle in cycle lane	1	(-)	2	(-)	-	(-)	3	(-)
Bus/Transit lane	-	(-)	3	(-)	1	(-)	4	(-)
Cyclist riding on pedestrian crossing/pedestrian signals	-	(-)	-	(-)	12	(-)	12	(-)
Other	8	(1)	4	(-)	2	(-)	14	(1)
Totals	69	(6)	20	(1)	96	(-)	185	(7)
TOTAL DRIVER/RIDER CONTROL FACTORS	7211	(481)	884	(90)	239	(-)	8334	(571)

(Continued)

NOTE: The figures in brackets are the number of factors in fatal crashes and are not included in the adjacent totals. See Note 10.



TABLE 26: FACTORS CONTRIBUTING TO CRASHES YEAR ENDED 31 DECEMBER 2010

FACTORS	MOTOR VEHICLE	MOTORCYCLE	PEDAL CYCLE	TOTALS				
VEHICLE CONFLICT FACTORS								
Failed to give way								
At a stop sign	285	(4)	-	(-)	4	(-)	289	(4)
At a give way sign	720	(4)	12	(-)	14	(-)	746	(4)
When turning, to non-turning traffic	781	(9)	9	(-)	10	(-)	800	(9)
When deemed turning by markings, not geometry	4	(-)	-	(-)	-	(-)	4	(-)
When turning left, to opposing right turning traffic	4	(-)	1	(-)	-	(-)	5	(-)
To pedestrian on a crossing	73	(1)	1	(-)	-	(-)	74	(1)
When turning at signals to pedestrians	38	(-)	-	(-)	-	(-)	38	(-)
When entering roadway from driveway	198	(6)	5	(-)	13	(-)	216	(6)
To traffic approaching or crossing from right	33	(-)	1	(-)	3	(-)	37	(-)
At one lane bridge/road	1	(-)	1	(-)	-	(-)	2	(-)
To pedestrian on footpath or verge	10	(-)	-	(-)	-	(-)	10	(-)
Entering roadway not from driveway or intersection	2	(-)	1	(-)	13	(-)	16	(-)
To emergency vehicle	2	(-)	-	(-)	-	(-)	2	(-)
Driver waved through	49	(-)	-	(-)	1	(-)	50	(-)
Other	5	(-)	-	(-)	7	(-)	12	(-)
Totals	2205	(24)	31	(-)	65	(-)	2301	(24)
Did not stop								
At stop sign	95	(2)	3	(-)	1	(-)	99	(2)
At steady red light	230	(3)	5	(-)	13	(1)	248	(4)
At steady red arrow	25	(-)	-	(-)	-	(-)	25	(-)
At steady amber light	22	(-)	1	(-)	1	(-)	24	(-)
At steady amber arrow	1	(-)	-	(-)	-	(-)	1	(-)
At flashing red lights (railway crossing, fire station etc)	5	(-)	-	(-)	-	(-)	5	(-)
For police or flag person	2	(-)	-	(-)	-	(-)	2	(-)
For school patrol/kea crossing	-	(-)	-	(-)	-	(-)	-	(-)
Other	5	(-)	-	(-)	-	(-)	5	(-)
Totals	385	(5)	9	(-)	15	(1)	409	(6)
Inattentive: failed to notice								
Car slowing, stopping or stopped in front	621	(9)	34	(2)	10	(-)	665	(11)
Bend in road	17	(1)	7	(-)	-	(-)	24	(1)
Indication of vehicle in front	59	(1)	16	(1)	3	(-)	78	(2)
Traffic lights	89	(-)	2	(-)	2	(-)	93	(-)
Intersection or its stop/give way control	62	(1)	2	(-)	1	(-)	65	(1)
Other regulatory sign/markings	9	(-)	-	(-)	-	(-)	9	(-)
Warning sign	11	(-)	3	(-)	-	(-)	14	(-)
Direction, information signs/markings	8	(-)	-	(-)	-	(-)	8	(-)
Roadworks signs	10	(-)	-	(-)	-	(-)	10	(-)
Lane use arrows/markings	2	(-)	-	(-)	-	(-)	2	(-)
Obstructions on roadway	23	(1)	3	(-)	1	(-)	27	(1)
Other	369	(5)	31	(2)	15	(-)	415	(7)
Totals	1280	(18)	98	(5)	32	(-)	1410	(23)

(Continued)

NOTE: The figures in brackets are the number of factors in fatal crashes and are not included in the adjacent totals. See Note 10.

TABLE 26: FACTORS CONTRIBUTING TO CRASHES YEAR ENDED 31 DECEMBER 2010

FACTORS	MOTOR VEHICLE	MOTORCYCLE	PEDAL CYCLE	TOTALS				
VEHICLE CONFLICT FACTORS								
Attention diverted by:								
Passengers	170	(3)	2	(-)	-	(-)	172	(3)
Scenery or persons outside vehicle	111	(-)	10	(-)	2	(-)	123	(-)
Other traffic	213	(1)	11	(1)	5	(-)	229	(2)
Animal or insect in vehicle	37	(-)	-	(-)	-	(-)	37	(-)
Trying to find intersection/house no.	38	(-)	-	(-)	-	(-)	38	(-)
Advertising or signs	3	(-)	1	(-)	-	(-)	4	(-)
Emotionally upset	119	(4)	1	(-)	3	(-)	123	(4)
Cigarette, radio, glove box etc.	228	(2)	7	(-)	1	(-)	236	(2)
Cell phone	62	(5)	-	(-)	1	(-)	63	(5)
Navigation devices	5	(-)	-	(-)	-	(-)	5	(-)
CB Radio/non-cell comms devices	4	(-)	-	(-)	-	(-)	4	(-)
Driver dazzled	199	(5)	7	(-)	1	(-)	207	(5)
Other	165	(10)	9	(1)	4	(-)	178	(11)
Totals	1354	(30)	48	(2)	17	(-)	1419	(32)
Did not see or look for another party								
Behind when:								
• reversing	146	(2)	-	(-)	1	(-)	147	(2)
• changing lanes, position, or direction (includes U-turns)	370	(7)	7	(-)	27	(-)	404	(7)
• pulling out from parked position	40	(-)	-	(-)	-	(-)	40	(-)
• opening door or leaving vehicle	48	(-)	-	(-)	-	(-)	48	(-)
When required to give way to:								
• traffic from another direction	1058	(13)	10	(-)	15	(-)	1083	(13)
• pedestrians	53	(2)	2	(-)	-	(-)	55	(2)
When visibility was:								
• obstructed by other vehicles	250	(2)	8	(-)	5	(-)	263	(2)
• limited by roadside features	53	(-)	6	(-)	6	(-)	65	(-)
When first in queue on receiving green light	2	(-)	-	(-)	-	(-)	2	(-)
Other	89	(2)	15	(-)	8	(-)	112	(2)
Totals	2109	(28)	48	(-)	62	(-)	2219	(28)
Misjudged speed, distance, size of								
Other vehicle coming from								
• behind or alongside	44	(-)	-	(1)	4	(-)	48	(1)
• another direction with right of way	87	(3)	-	(-)	6	(-)	93	(3)
Pedestrian movement or intention	4	(-)	-	(-)	-	(-)	4	(-)
Towed vehicle, or while towing	-	(-)	-	(-)	-	(-)	-	(-)
Fixed object or obstacle	11	(-)	1	(-)	-	(-)	12	(-)
Own vehicle	92	(1)	8	(1)	6	(-)	106	(2)
Misjudged intentions of another party	168	(2)	22	(-)	5	(-)	195	(2)
Other	2	(-)	1	(-)	-	(-)	3	(-)
Totals	408	(6)	32	(2)	21	(-)	461	(8)
TOTAL VEHICLE CONFLICT FACTORS	7741	(111)	266	(9)	212	(1)	8219	(121)

(Continued)

NOTE: The figures in brackets are the number of factors in fatal crashes and are not included in the adjacent totals. See Note 10.



TABLE 26: FACTORS CONTRIBUTING TO CRASHES YEAR ENDED 31 DECEMBER 2010

FACTORS	MOTOR VEHICLE		MOTORCYCLE		PEDAL CYCLE		TOTALS	
GENERAL DRIVER FACTORS								
Inexperience								
Driving in fast or heavy traffic	6	(-)	1	(-)	-	(-)	7	(-)
New driver	563	(18)	70	(-)	-	(-)	633	(18)
Driving unfamiliar vehicle	49	(-)	29	(1)	1	(-)	79	(1)
Overseas migrant driver fails to adjust to NZ rules and conditions	145	(6)	8	(1)	-	(-)	153	(7)
Driver under instruction	9	(-)	-	(-)	-	(-)	9	(-)
At towing trailer/other vehicle	3	(-)	-	(-)	-	(-)	3	(-)
Driver over-reacted	208	(4)	2	(-)	1	(-)	211	(4)
Unsupervised cyclist	-	(-)	-	(-)	4	(-)	4	(-)
Other	102	(5)	22	(2)	5	(-)	129	(7)
Totals	1085	(33)	132	(4)	11	(-)	1228	(37)
Fatigue (drowsy, tired or fell asleep)								
Long trip	14	(1)	1	(1)	-	(-)	15	(2)
Lack of sleep	136	(5)	1	(-)	-	(-)	137	(5)
Exhaust fumes	-	(-)	-	(-)	-	(-)	-	(-)
Worked long hours before driving	37	(1)	1	(-)	-	(-)	38	(1)
Exceeded driving hours	1	(-)	-	(-)	-	(-)	1	(-)
Other	446	(37)	4	(2)	1	(-)	451	(39)
Totals	634	(44)	7	(3)	1	(-)	642	(47)
Incorrect use of vehicle controls								
Started in gear	1	(-)	-	(-)	-	(-)	1	(-)
Stalled engine	5	(-)	-	(-)	-	(-)	5	(-)
Wrong pedal	78	(1)	2	(-)	-	(-)	80	(1)
Footrest, stand	-	(-)	-	(-)	-	(-)	-	(-)
Ignition turned off (steering locked)	-	(-)	-	(-)	-	(-)	-	(-)
Lights not switched on	5	(-)	4	(-)	1	(-)	10	(-)
Foot slipped	45	(-)	1	(-)	-	(-)	46	(-)
Parking brake not fully applied	10	(1)	-	(-)	-	(-)	10	(1)
Trailer coupling or safety chain not secured	3	(-)	-	(-)	-	(-)	3	(-)
Other	26	(1)	3	(1)	-	(-)	29	(2)
Totals	173	(3)	10	(1)	1	(-)	184	(4)
Showing off								
Racing	35	(2)	-	(-)	1	(-)	36	(2)
Playing chicken	-	(1)	-	(1)	-	(-)	-	(2)
Wheelspins/wheelies/doughnuts etc	25	(1)	4	(-)	-	(-)	29	(1)
Intimidating driving	13	(-)	-	(-)	-	(-)	13	(-)
Other	23	(1)	5	(-)	-	(-)	28	(1)
Totals	96	(5)	9	(1)	1	(-)	106	(6)

(Continued)

NOTE: The figures in brackets are the number of factors in fatal crashes and are not included in the adjacent totals. See Note 10.

TABLE 26: FACTORS CONTRIBUTING TO CRASHES YEAR ENDED 31 DECEMBER 2010

FACTORS	MOTOR VEHICLE		MOTORCYCLE		PEDAL CYCLE		TOTALS	
Parked or stopped								
Inadequately lit at night (not lit by street lights or park lights off)	1	(-)	1	(-)	-	(-)	2	(-)
At a point of limited visibility	1	(-)	-	(-)	-	(-)	1	(-)
Not as close as practicable to the side of the road	4	(-)	-	(-)	-	(-)	4	(-)
On incorrect side of the road	3	(-)	-	(-)	-	(-)	3	(-)
Double parked	-	(-)	-	(-)	-	(-)	-	(-)
In a 'No Stopping' area	1	(-)	-	(-)	-	(-)	1	(-)
Not clear of rail crossing	1	(-)	-	(-)	-	(-)	1	(-)
In cycle or transit lane	-	(-)	-	(-)	-	(-)	-	(-)
Other	6	(-)	-	(-)	-	(-)	6	(-)
Totals	17	(-)	1	(-)	-	(-)	18	(-)
TOTAL GENERAL DRIVER FACTORS	2005	(85)	159	(9)	14	(-)	2178	(94)

(Continued)

NOTE: The figures in brackets are the number of factors in fatal crashes and are not included in the adjacent totals. See Note 10.



TABLE 26: FACTORS CONTRIBUTING TO CRASHES YEAR ENDED 31 DECEMBER 2010

FACTORS	MOTOR VEHICLE		MOTORCYCLE		PEDAL CYCLE		TOTALS	
GENERAL PERSON FACTORS								
Illness and disability								
Illness with no warning	188	(9)	4	(1)	1	(-)	193	(10)
Physically disabled	1	(-)	-	(-)	-	(-)	1	(-)
Defective vision	20	(1)	1	(-)	-	(-)	21	(1)
Medical illness (not sudden) flu, diabetes	49	(2)	3	(2)	-	(-)	52	(4)
Mental illness (depression, psychosis)	8	(4)	1	(-)	3	(-)	12	(4)
Suicidal (but not successful)	14	(1)	-	(-)	-	(-)	14	(1)
Impaired ability due to old age	75	(4)	-	(-)	1	(-)	76	(4)
Other	26	(4)	-	(2)	-	(-)	26	(6)
Totals	381	(25)	9	(5)	5	(-)	395	(30)
Intentional or criminal								
Deliberate homicide (only if successful)	-	(-)	-	(-)	-	(-)	-	(-)
Intentional collision	43	(1)	-	(-)	-	(-)	43	(1)
Committed suicide (only if succeeded)	-	(-)	-	(-)	-	(-)	-	(-)
Evading enforcement	73	(10)	22	(3)	-	(-)	95	(13)
Object deliberately thrown at or dropped on vehicle/shot at	1	(-)	-	(-)	-	(-)	1	(-)
Object thrown from vehicle	-	(-)	-	(-)	-	(-)	-	(-)
Stolen vehicle	51	(2)	3	(1)	1	(-)	55	(3)
Other	4	(-)	-	(-)	-	(-)	4	(-)
Totals	172	(13)	25	(4)	1	(-)	198	(17)
Driver/passenger boarding/leaving/in vehicle								
Boarding moving vehicle	3	(1)	-	(-)	-	(-)	3	(1)
Intentionally leaving moving vehicle	3	(-)	-	(-)	-	(-)	3	(-)
Riding in insecure position	13	(8)	4	(-)	-	(-)	17	(8)
Interfered with driver	23	(1)	1	(-)	-	(-)	24	(1)
Opened door inadvertently	10	(1)	-	(-)	-	(-)	10	(1)
Overloaded vehicle (with passengers)	2	(2)	-	(-)	-	(-)	2	(2)
Child playing in parked vehicle	2	(-)	-	(-)	-	(-)	2	(-)
Other	3	(-)	1	(-)	-	(-)	4	(-)
Totals	59	(13)	6	(-)	-	(-)	65	(13)
Miscellaneous person								
Casualty drowned	-	(5)	-	(-)	-	(-)	-	(5)
Casualty thrown from vehicle	12	(37)	12	(2)	-	(-)	24	(39)
Equestrian not keeping to verge	-	(-)	-	(-)	-	(-)	-	(-)
Cyclist or motorcyclist wearing dark clothing	2	(1)	7	(-)	18	(-)	27	(1)
Other	1	(-)	-	(-)	-	(-)	1	(-)
Totals	15	(43)	19	(2)	18	(-)	52	(45)
TOTAL GENERAL PERSON FACTORS	627	(94)	59	(11)	24	(-)	710	(105)

(Continued)

NOTE: The figures in brackets are the number of factors in fatal crashes and are not included in the adjacent totals. See Note 10.

TABLE 26: FACTORS CONTRIBUTING TO CRASHES YEAR ENDED 31 DECEMBER 2010

FACTORS	MOTOR VEHICLE		MOTORCYCLE		PEDAL CYCLE		TOTALS	
VEHICLE FACTORS								
Lights and reflectors								
Dazzling headlights	3	(-)	1	(-)	-	(-)	4	(-)
Inadequate or no headlights	9	(-)	6	(1)	12	(1)	27	(2)
Headlights failed suddenly	-	(-)	1	(-)	-	(-)	1	(-)
Brake lights or indicators defective or not fitted	-	(-)	-	(-)	-	(-)	-	(-)
Inadequate or no tail-lights	4	(-)	2	(-)	2	(-)	8	(-)
Inadequate or no reflectors	-	(-)	-	(-)	1	(-)	1	(-)
Lights or reflectors covered by dirt	-	(-)	-	(-)	-	(-)	-	(-)
Other	1	(1)	1	(-)	1	(-)	3	(1)
Totals	17	(1)	11	(1)	16	(1)	44	(3)
Brakes								
Parking brake:								
• failed	-	(-)	-	(-)	-	(-)	-	(-)
• defective	1	(-)	-	(-)	-	(-)	1	(-)
Service brake:								
• failed	10	(-)	-	(-)	2	(-)	12	(-)
• defective	4	(-)	2	(1)	2	(-)	8	(1)
Jack-knifed	4	(1)	-	(-)	-	(-)	4	(1)
Other	4	(-)	1	(1)	6	(-)	11	(1)
Totals	23	(1)	3	(2)	10	(-)	36	(3)
Steering								
Defective	5	(-)	-	(-)	1	(-)	6	(-)
Failed suddenly	4	(-)	1	(-)	-	(-)	5	(-)
Other	4	(-)	1	(-)	-	(-)	5	(-)
Totals	13	(-)	2	(-)	1	(-)	16	(-)
Tyres								
Puncture or blow out	37	(1)	7	(-)	-	(-)	44	(1)
Tread worn	62	(7)	2	(1)	-	(-)	64	(8)
Incorrect type	5	(1)	-	(2)	-	(-)	5	(3)
Mixed treads/space savers	8	(1)	-	(-)	-	(-)	8	(1)
Other	17	(-)	2	(-)	-	(-)	19	(-)
Totals	129	(10)	11	(3)	-	(-)	140	(13)
Windscreen or mirror								
Windscreen shattered	2	(-)	-	(-)	-	(-)	2	(-)
Windscreen or rear window dirty	2	(-)	-	(-)	-	(-)	2	(-)
Rear vision mirror not adjusted correctly	-	(-)	-	(-)	-	(-)	-	(-)
No rear vision mirror	-	(-)	-	(-)	-	(-)	-	(-)
Windscreen, spectacles or rear window misted/frosted	28	(-)	-	(-)	-	(-)	28	(-)
Inadequate or no sun visors	-	(-)	-	(-)	-	(-)	-	(-)
Inadequate or no windscreen wipers	-	(-)	-	(-)	-	(-)	-	(-)
Cycle/motorcycle visor, goggles or screen defective, misted etc	-	(-)	2	(-)	1	(-)	3	(-)
Other	3	(-)	-	(-)	-	(-)	3	(-)
Totals	35	(-)	2	(-)	1	(-)	38	(-)

(Continued)

NOTE: The figures in brackets are the number of factors in fatal crashes and are not included in the adjacent totals. See Note 10.



TABLE 26: FACTORS CONTRIBUTING TO CRASHES YEAR ENDED 31 DECEMBER 2010

FACTORS	MOTOR VEHICLE		MOTORCYCLE		PEDAL CYCLE		TOTALS	
VEHICLE FACTORS CONTINUED								
Mechanical								
Engine failure	1	(-)	1	(-)	-	(-)	2	(-)
Transmission failure	1	(-)	3	(-)	-	(-)	4	(-)
Accelerator or throttle jammed	3	(-)	5	(-)	-	(-)	8	(-)
Other	2	(-)	2	(-)	-	(-)	4	(-)
Totals	7	(-)	11	(-)	-	(-)	18	(-)
Body or chassis								
Body, chassis or frame failure	1	(-)	-	(-)	1	(-)	2	(-)
Suspension failure	1	(-)	-	(-)	-	(-)	1	(-)
Failure of door catch/door not shut	2	(2)	-	(-)	-	(-)	2	(2)
Inadequate mudguards	1	(-)	-	(-)	-	(-)	1	(-)
Inadequate tow coupling	2	(-)	-	(-)	-	(-)	2	(-)
Inadequate or no safety chain	-	(-)	-	(-)	-	(-)	-	(-)
Bonnet catch failed	-	(-)	-	(-)	-	(-)	-	(-)
Wheel off	7	(1)	1	(-)	-	(-)	8	(1)
Broken axle	1	(-)	1	(-)	-	(-)	2	(-)
Inconspicuous colour	5	(-)	-	(-)	-	(-)	5	(-)
Blind spot	51	(2)	-	(-)	-	(-)	51	(2)
Seatbelt/restraint failed	-	(-)	-	(-)	-	(-)	-	(-)
Airbag failed to inflate (fully)	-	(-)	-	(-)	-	(-)	-	(-)
Other	2	(1)	-	(2)	-	(-)	2	(3)
Totals	73	(6)	2	(2)	1	(-)	76	(8)
Load								
Interferes with driver	4	(-)	-	(-)	-	(-)	4	(-)
Not well secured or load moved	22	(1)	-	(-)	-	(-)	22	(1)
Overhanging	1	(-)	-	(-)	-	(-)	1	(-)
Load obscured vision	1	(-)	-	(-)	-	(-)	1	(-)
Excess dimensions not adequately indicated	-	(-)	-	(-)	-	(-)	-	(-)
Overdimension vehicle or load	3	(-)	-	(-)	-	(-)	3	(-)
Load too heavy	11	(-)	-	(-)	-	(-)	11	(-)
Towed vehicle or trailer too heavy or incompatible	8	(1)	-	(-)	-	(-)	8	(1)
Other	9	(-)	1	(-)	-	(-)	10	(-)
Totals	59	(2)	1	(-)	-	(-)	60	(2)
Miscellaneous vehicle								
Emergency vehicle attending emergency	7	(1)	2	(-)	-	(-)	9	(1)
Vehicle caught fire	22	(12)	1	(1)	-	(-)	23	(13)
Being towed	1	(-)	-	(-)	-	(-)	1	(-)
Airbag contributed to crash or injury	4	(-)	-	(-)	-	(-)	4	(-)
Seatbelt/restraint absent or unusable	1	(-)	-	(-)	-	(-)	1	(-)
Dangerous goods	-	(-)	-	(-)	-	(-)	-	(-)
Other	1	(1)	-	(-)	-	(-)	1	(1)
Totals	36	(14)	3	(1)	-	(-)	39	(15)
TOTAL VEHICLE FACTORS	392	(34)	46	(9)	29	(1)	467	(44)

(Continued)

NOTE: The figures in brackets are the number of factors in fatal crashes and are not included in the adjacent totals. See Note 10.

TABLE 26: FACTORS CONTRIBUTING TO CRASHES
YEAR ENDED 31 DECEMBER 2010

FACTORS	NUMBER	
PEDESTRIAN FACTORS		
Walking along road		
Not keeping to footpath	5	(-)
Not keeping to side of road	3	(4)
Not facing oncoming traffic	3	(-)
Not on outside of blind curve	-	(-)
Wheeled pedestrian inconsiderate or dangerous on footpath	-	(-)
Other	2	(-)
Totals	13	(4)
Crossing road		
Walking heedless of traffic	206	(11)
Stepping out from behind parked vehicle	104	(-)
Running heedless of traffic	236	(4)
Failed to use pedestrian crossing when one within 20 metres	12	(-)
Waiting on roadway for moving traffic	15	(2)
Confused by traffic or stepped back	8	(-)
Stepping suddenly on to pedestrian crossing	11	(-)
Not complying with traffic signals or school patrol	26	(1)
Misjudged speed and/or distance of vehicle	15	(1)
Other	14	(1)
Totals	647	(20)
Miscellaneous		
Pushing, working or unloading vehicle	4	(-)
Playing on, or unnecessarily on road	37	(2)
Working on road	5	(-)
Wearing dark clothing	35	(11)
Vision obscured by umbrella or clothing	3	(1)
Child escaped from supervision	28	(-)
Unsupervised child	57	(-)
Sitting/lying on road	3	(1)
Pedestrian from school bus	3	(-)
Pedestrian behind reversing/manoeuvring vehicle	32	(-)
Overseas pedestrian	5	(2)
Pedestrian attention diverted (music player, cigarette, cell phone etc)	26	(2)
Other	14	(-)
Totals	252	(19)
TOTAL PEDESTRIAN FACTORS	912	(43)

(Continued)

NOTE: The figures in brackets are the number of factors in fatal crashes and are not included in the adjacent totals. See Note 10.



TABLE 26: FACTORS CONTRIBUTING TO CRASHES
YEAR ENDED 31 DECEMBER 2010

FACTORS	NUMBER	
ROAD FACTORS		
Slippery because of		
Rain	436	(11)
Frost or ice	129	(4)
Snow or hail	10	(1)
Loose material on seal	75	(1)
Mud	2	(-)
Oil/diesel/fuel	47	(-)
Painted markings	7	(-)
Recently graded	6	(-)
Surface bleeding/defective	19	(-)
Other	127	(1)
Totals	858	(18)
Surface		
Potholed	8	(-)
Uneven	19	(-)
Deep loose metal	24	(1)
High crown	1	(-)
Curve not well banked	1	(-)
Edge badly defined or gave way	7	(-)
Under construction or maintenance	105	(6)
Unusually narrow	31	(1)
Broken glass	-	(-)
Other	11	(1)
Totals	207	(9)
Obstructed		
Fallen tree or branch	4	(1)
Slip or subsidence	5	(-)
Flood waters, large puddles, ford	16	(1)
Road works:		
• not adequately lighted	-	(-)
• not adequately signposted	1	(1)
Roadside object fell on vehicle	4	(-)
Object flicked up by vehicle	3	(-)
Other	12	(-)
Totals	45	(3)
Visibility limited by		
Curve	42	(3)
Crest	37	(2)
Building	4	(-)
Trees	13	(-)
Hedge or fence	23	(1)
Scrub or long grass	5	(1)
Bank	-	(1)
Temporary obstruction or dust/smoke	8	(-)
Parked vehicle	79	(3)
Other	36	(2)
Totals	247	(13)

(Continued)

NOTE: The figures in brackets are the number of factors in fatal crashes and are not included in the adjacent totals. See Note 10.

TABLE 26: FACTORS CONTRIBUTING TO CRASHES
YEAR ENDED 31 DECEMBER 2010

FACTORS	NUMBER	
ROAD FACTORS CONTINUED		
Signs and signals		
Damaged, removed or malfunctioned	8	(1)
Badly located	5	(-)
Ineffective or inadequate	7	(-)
Necessary	13	(1)
Signals turned off	1	(-)
Other	6	(-)
Totals	40	(2)
Markings		
Faded	4	(-)
Difficult to see in weather conditions	4	(-)
Necessary	3	(-)
Not visible due to geometry or vehicles	-	(-)
Old markings not adequately removed	-	(-)
Other	5	(-)
Totals	16	(-)
Street lighting		
Failed	2	(-)
Inadequate	14	(3)
Glare on wet road	1	(-)
Pedestrian crossing not adequately lighted	3	(-)
Other	2	(1)
Totals	22	(4)
Raised islands and roundabouts		
Difficult to see	-	(-)
Ineffective, badly located/designed	-	(-)
Cyclist squeeze point	-	(-)
Other	-	(-)
Totals	-	(-)
TOTAL ROAD FACTORS	1435	(49)

(Continued)

NOTE: The figures in brackets are the number of factors in fatal crashes and are not included in the adjacent totals. See Note 10.



TABLE 26: FACTORS CONTRIBUTING TO CRASHES
YEAR ENDED 31 DECEMBER 2010

FACTORS	NUMBER	
MISCELLANEOUS FACTORS		
Weather		
Heavy rain	203	(1)
Dazzling sun	206	(4)
Strong wind	43	(-)
Fog or mist	45	(3)
Snow, sleet or hail	4	(-)
Other	1	(-)
Totals	502	(8)
Animals		
Household pet rushed out or playing	17	(-)
Farm animal straying	44	(1)
Farm animal attended but:		
• inadequate warning or unexpected	4	(-)
• out of control	2	(-)
Wild	3	(-)
Other	1	(-)
Totals	71	(1)
Entering or leaving land use		
Roadside stall	3	(-)
Service station	61	(-)
Specialised liquor outlet	8	(-)
Takeaway foods	14	(-)
Shopping complex	76	(-)
Car parking building/area	36	(-)
Other commercial	146	(1)
Industrial site	5	(-)
Private house/farm	447	(13)
Other non-commercial	86	(1)
Mobile shop or vendor	-	(-)
Other	17	(-)
Totals	899	(15)
Unknown factor	-	(-)
TOTAL MISCELLANEOUS FACTORS	1472	(24)
TOTAL ALL FACTORS	23727	(1051)

(Continued)

NOTE: The figures in brackets are the number of factors in fatal crashes and are not included in the adjacent totals. See Note 10.

**TABLE 26A: CRASHES AND CASUALTIES WHERE DRIVER ALCOHOL/DRUGS WAS A CONTRIBUTING FACTOR
YEAR ENDED 31 DECEMBER**

Year	Crashes with alcohol/drugs				Casualties from crashes with alcohol/drugs			
	Fatal		Injury		Deaths		Injuries	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	238	36.1	2493	19.3	274	36.7	4418	23.4
1986	266	40.5	2575	20.1	328	42.8	4520	23.9
1987	271	39.4	2595	20.5	329	41.3	4498	24.0
1988	266	42.6	2500	20.9	318	43.7	4246	24.5
1989	264	40.6	2364	20.8	321	42.1	3969	24.0
1990	268	42.1	2716	22.3	318	43.6	4531	25.6
1991	225	40.6	2424	20.9	269	41.4	3935	23.5
1992	221	40.8	2282	20.6	273	42.3	3672	22.8
1993	185	35.8	1906	18.2	227	37.8	3042	20.1
1994	190	38.3	2044	18.0	225	38.8	3300	19.9
1995	162	32.3	2118	18.1	200	34.4	3421	20.3
1996	129	28.2	1652	16.3	148	28.8	2664	18.0
1997	127	27.1	1389	15.5	147	27.3	2317	17.4
1998	118	27.1	1347	16.2	142	28.3	2233	18.0
1999	100	23.0	1146	14.3	122	24.0	1904	15.9
2000	101	26.4	1063	14.3	115	24.9	1727	15.8
2001	104	26.3	1111	13.1	118	25.9	1870	15.1
2002	95	26.1	1296	13.2	109	27.0	1995	14.3
2003	124	30.6	1229	12.0	141	30.6	1953	13.6
2004	116	30.9	1235	12.4	135	31.0	1899	13.7
2005	101	29.6	1335	12.8	116	28.6	1992	13.8
2006	99	28.3	1563	14.1	109	27.7	2370	15.4
2007	119	31.7	1584	13.6	130	30.9	2336	14.6
2008	105	31.7	1597	14.1	121	33.1	2308	15.2
2009	115	34.0	1527	14.2	140	36.4	2319	15.9
2010	121	35.9	1409	13.4	142	37.9	2111	15.0



TABLE 26B: CRASHES AND CASUALTIES WHERE TRAVELLING TOO FAST FOR CONDITIONS WAS A CONTRIBUTING FACTOR YEAR ENDED 31 DECEMBER

Year	Crashes with speed				Casualties from crashes with speed			
	Fatal		Injury		Deaths		Injuries	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	193	29.2	1848	14.3	218	29.2	3210	17.0
1986	192	29.3	2024	15.8	224	29.2	3544	18.8
1987	251	36.5	2253	17.8	292	36.7	3904	20.8
1988	231	37.0	2204	18.5	267	36.7	3650	21.0
1989	257	39.5	2146	18.9	311	40.8	3624	21.9
1990	224	35.2	2041	16.8	265	36.4	3422	19.3
1991	190	34.3	2108	18.2	225	34.6	3383	20.2
1992	195	36.0	1918	17.3	241	37.3	3164	19.6
1993	192	37.1	1712	16.3	228	38.0	2801	18.5
1994	191	38.5	1816	16.0	228	39.3	2982	18.0
1995	182	36.3	1827	15.6	221	38.0	2988	17.7
1996	153	33.5	1684	16.7	177	34.4	2806	19.0
1997	137	29.3	1461	16.3	162	30.1	2508	18.8
1998	140	32.1	1415	17.0	162	32.3	2427	19.6
1999	124	28.6	1180	14.7	153	30.1	2095	17.5
2000	87	22.7	1122	15.1	102	22.1	1923	17.5
2001	123	31.1	1298	15.3	141	31.0	2197	17.8
2002	108	29.7	1431	14.6	126	31.2	2339	16.8
2003	140	34.6	1644	16.1	167	36.2	2601	18.1
2004	138	36.7	1632	16.3	172	39.4	2624	18.9
2005	112	32.8	1700	16.2	130	32.1	2670	18.5
2006	107	30.7	1734	15.8	126	32.2	2746	18.1
2007	116	30.9	1905	16.3	132	31.4	2949	18.4
2008	110	33.2	1726	15.3	126	34.4	2629	17.3
2009	100	29.6	1635	15.2	113	29.4	2461	16.9
2010	108	32.0	1500	14.2	131	34.9	2293	16.3

NOTES: The Police Traffic Crash Report form was modified in 2001. The 'too fast for conditions' data since this change are not strictly comparable to earlier data.

Most crashes have a number of contributing causal factors and many have both alcohol and 'too fast for conditions'. For this reason these tables cannot be added together to give the total number of crashes with alcohol/drugs and/or 'too fast for conditions' listed as contributing factors.