



# Quarterly NZTA road safety outcomes report to the Ministers of Police and Transport

Period in Review

January – March 2011

Issued on: 4 May 2011

**This quarterly summary of road safety outcomes shows:**

- an overall picture of fatal and serious casualties in road crashes over the past 5 years
- a set of intermediate outcome measures for each of the *Safer Journeys* areas of concern
- the trend in a representative “headline measure” over the past 5 years for each of the *Safer Journeys* areas of concern
- local Regional and Police District comparisons against a representative “headline outcome measure” for each of the *Safer Journeys* areas of concern.

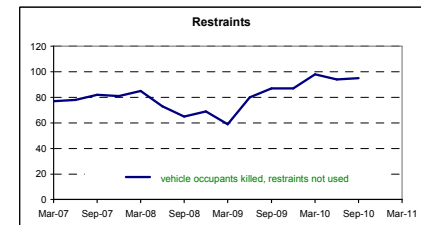
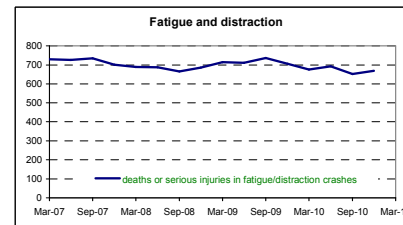
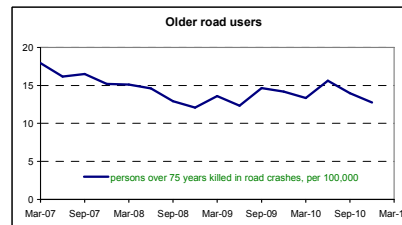
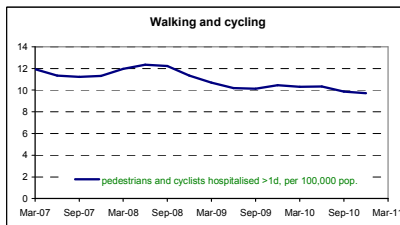
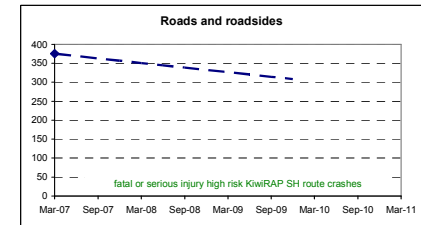
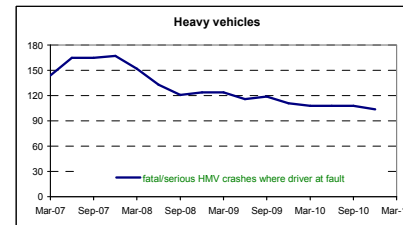
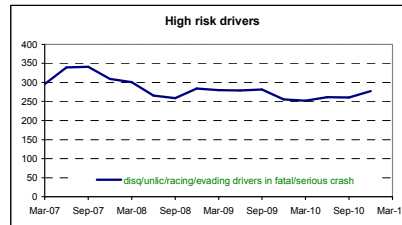
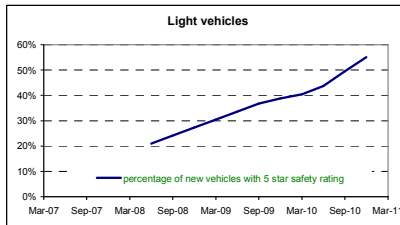
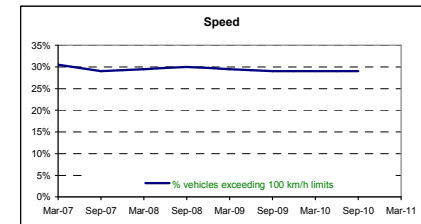
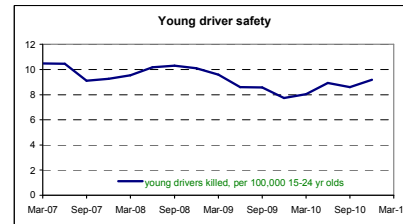
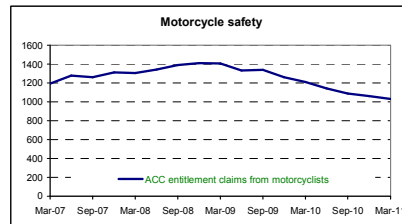
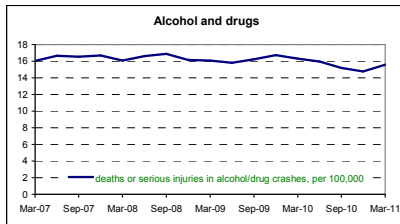
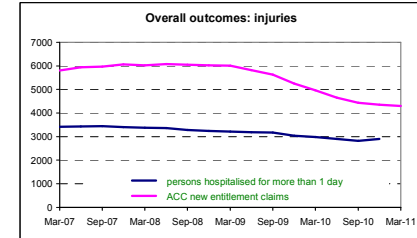
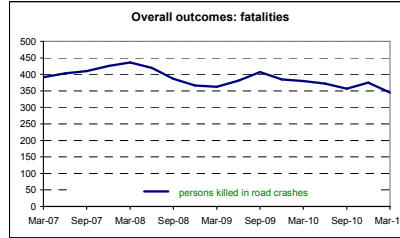
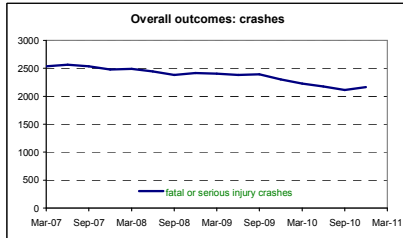
Outcome measures are provided for the most recently available quarter, to March 2011 in some cases but usually to December 2010. Some measures are only available on an annual basis.

Some outcome measures are not available at a Regional or Police District level, and an alternative headline measure is presented in the relevant charts. Also, in the Regional and Police District charts, some measures are shown on an averaged 3-yearly basis where the numbers involved are too small to give meaningful single year comparisons.

**Key results for the quarter:**

- fatal crashes and fatalities continue to decrease, the 12 month total to March 2011 (345 deaths) is the lowest since 1956
- HMV crashes resulting in death or serious injury have steadily decreased, from nearly 300 in 2006/07 to around 200 in 2010
- slightly fewer vehicles in 2010 exceeded the speed limit in urban areas than in 2009, but open road compliance was unchanged
- ACC entitlement claims for all road users have fallen by nearly one-third from the levels in 2006 - 2008.

## Quarterly road safety outcomes, 2007 - 2011 [12-month rolling figures]



Quarterly road safety outcomes	latest available figures			Last 5 years				
	latest quarter	as at	latest 12 months	2006	2007	2008	2009	2010
<b>Overall outcomes</b>								
<b>fatal or serious injury crashes</b>	<b>572</b>	Dec 2010	2161	2516	2475	2413	2298	2161
persons killed in road crashes	<b>70</b>	Mar 2011	345	393	421	365	384	375
persons killed or seriously injured	<b>690</b>	Dec 2010	2620	3060	3056	2878	2809	2620
persons killed or seriously injured, per 100 million vehicle km travelled	<b>657</b>	Dec 2010	623	770	759	706	682	623
persons hospitalised for more than 1 day (>1d)	<b>783</b>	Dec 2010	2897	3396	3404	3240	3032	2897
ACC new entitlement claims	<b>1120</b>	Mar 2011	4296	5779	6062	6027	5252	4346
<b>Alcohol and drugs</b>								
<b>deaths or serious injuries in alcohol/drug crashes, per 100,000 popn.</b>	<b>15.5</b>	Dec 2010	15.5	16.1	16.2	16.2	16.3	15.5
drivers killed with excess alcohol	<b>19</b>	Sep 2010	70	54	65	59	66	-
% think high probability being stopped at CBT checkpoint	<b>56%</b>	2010	56%	48%	54%	51%	52%	56%
% think high probability being tested for drugs (NEW)	-	-	n/a	-	-	-	n/a	n/a
<b>Young drivers</b>								
<b>young drivers killed, per 100,000 15-24 yr olds</b>	<b>9.2</b>	Dec 2010	9.2	9.7	9.3	10.1	7.7	9.2
young drivers (15-24 yrs) hospitalised >1d, per 100,000 15-24 yr olds	<b>59</b>	Dec 2010	59	75	74	73	65	59
% youth believe will be stopped for non alc/spd traffic offences	<b>44%</b>	2010	44%	28%	39%	35%	41%	44%
drivers on GDL at fault in fatal/serious crashes	<b>72</b>	Dec 2010	274	440	402	384	372	274
young drivers (15-24 yrs) killed with excess alcohol, per 100,000	<b>1.9</b>	Sep 2010	1.9	2.6	2.8	3.7	3.0	-
fatal and serious crashes involving 15-19 yr old drivers	<b>92</b>	Dec 2010	369	526	477	450	442	369
<b>Speed</b>								
<b>% vehicles exceeding 100 km/h limits</b>	<b>29%</b>	2010	29%	32%	29%	30%	29%	29%
% vehicles exceeding 50 km/h limits	<b>58%</b>	2010	58%	63%	63%	64%	61%	58%
fatal/serious speed-related crashes	<b>132</b>	Dec 2010	451	515	549	521	464	451
% disagree probability being detected speeding is small	<b>52%</b>	2010	52%	54	54	54	50%	52%
mean rural speed (km/h)	<b>96.3</b>	2010	96.2	96.4	96.3	96.6	96.3	96.2
mean urban speed (km/h)	<b>52.3</b>	2010	52.0	52.6	52.5	52.6	52.3	52.0
<b>Motorcycle safety</b>								
<b>ACC entitlement claims from motorcyclists</b>	<b>303</b>	Mar 2011	1030	1115	1312	1412	1262	1060
motorcycle and moped riders killed, per 100,000 popn.	<b>0.9</b>	Dec 2010	0.9	0.9	1.0	1.2	1.1	0.9
% of motorcycles in crashes with non-current WOFs	<b>25%</b>	Dec 2010	27%	23%	24%	28%	26%	27%
motorcyclists hospitalised >1d, per 100,000 popn.	<b>15.2</b>	Dec 2010	15.1	15.9	18.4	18.0	15.6	15.1
<b>Roads and roadsides</b>								
<b>fatal or serious injury high risk KiwiRAP SH route crashes</b>	<b>308</b>	2009	308	381	-	-	308	-
deaths or serious injuries in head-on crashes <sup>(3)</sup>	<b>92</b>	Dec 2010	293	413	421	340	361	293
deaths or serious injuries in run-off road crashes <sup>(3)</sup>	<b>198</b>	Dec 2010	733	777	804	795	772	733
deaths or serious injuries in intersection crashes <sup>(3)</sup>	<b>188</b>	Dec 2010	780	897	923	887	827	780
deaths or serious injuries in pedestrian/cyclist crashes <sup>(3)</sup>	<b>115</b>	Dec 2010	429	487	477	500	418	429
<b>High risk drivers</b>								
<b>fatal/serious crashes with high risk driver<sup>(2)</sup></b>	<b>77</b>	Dec 2010	257	284	309	284	255	277
% disqualified drivers detected driving	<b>12%</b>	2009	12%			13%	12%	
% disqualified drivers detected driving (3+ times)	<b>6%</b>	2009	6%			7%	6%	
disqualified or unlicensed drivers involved in fatal/serious crash <sup>(3)</sup>	<b>59</b>	Dec 2010	234	225	249	241	203	234

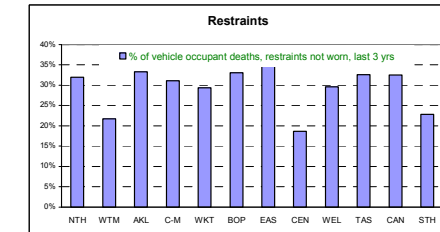
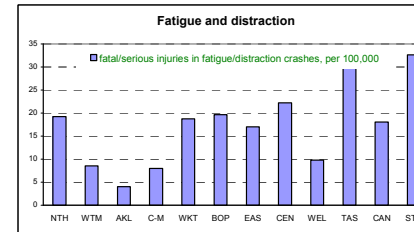
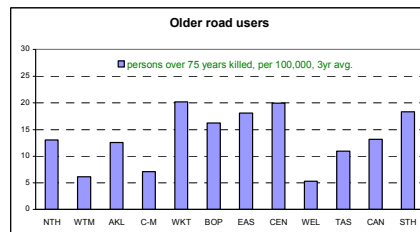
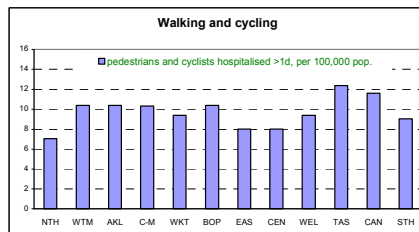
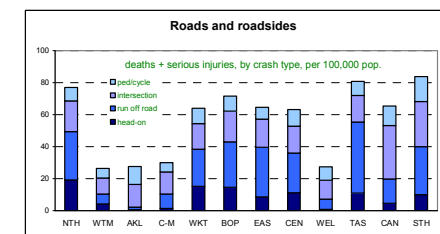
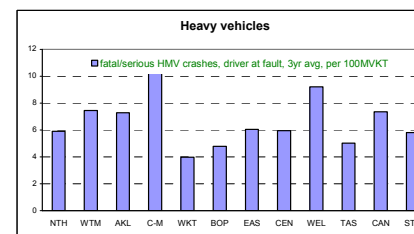
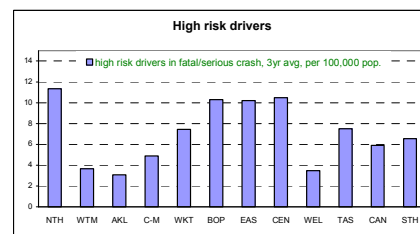
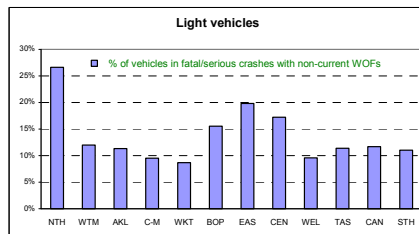
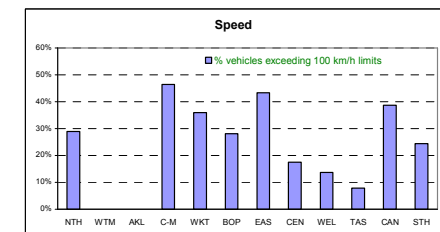
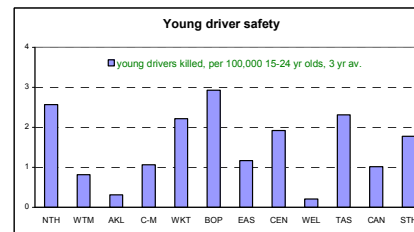
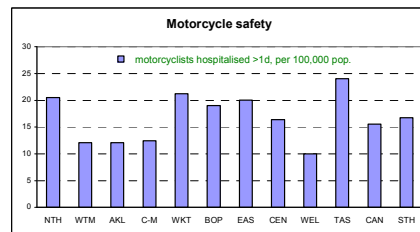
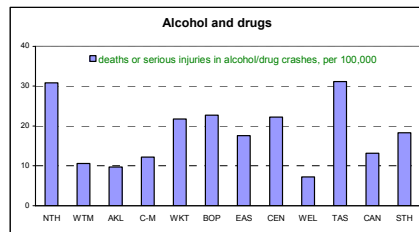
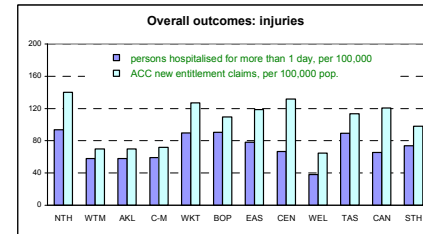
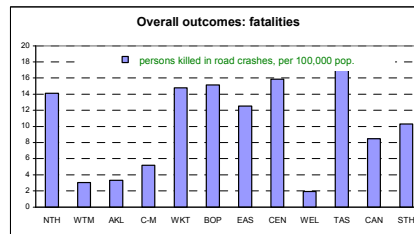
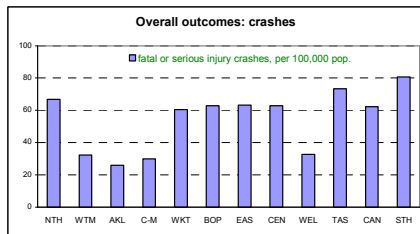
<b>Light vehicles</b>								
<b>percentage of new vehicles with 5 star safety rating</b>	<b>63%</b>	Dec 2010	55%	-	-	21%	39%	55%
% of vehicles in fatal/serious crashes with non-current WOFs <sup>(3)</sup>	<b>13%</b>	Dec 2010	13%	14%	14%	14%	12%	13%
average (median) age of light vehicle fleet	<b>12.9</b>	2010	12.9	11.8	12.1	12.2	12.6	12.9
<b>Fatigue and distraction</b>								
<b>deaths or serious injuries in fatigue/distraction crashes</b>	<b>170</b>	Dec 2010	669	685	702	685	706	669
fatal/serious crashes with contributing fatigue/distraction	<b>140</b>	Dec 2010	547	556	545	563	567	547
fatal/serious crashes meeting ATSB fatigue definition <sup>(1)</sup>	<b>29</b>	Dec 2010	129	152	174	127	160	129
<b>Heavy vehicles</b>								
<b>fatal/serious injury HMV crashes where driver at fault</b>	<b>27</b>	Dec 2010	104	129	169	124	111	104
fatal/serious crashes involving HMVs	<b>58</b>	Dec 2010	209	296	308	277	226	209
% of fatal/serious HMV crashes where HMV driver at fault	<b>47%</b>	Dec 2010	50%	44%	54%	45%	49%	50%
fatal HMV crashes where HMV driver at fault	<b>5</b>	Dec 2010	26	26	26	17	19	26
% of fatal HMV crashes where HMV driver at fault	<b>31%</b>	Dec 2010	44%	32%	36%	28%	35%	44%
serious injury HMV crashes where HMV driver at fault	<b>22</b>	Dec 2010	78	103	141	107	92	78
% of serious injury HMV crashes where HMV driver at fault	<b>52%</b>	Dec 2010	52%	48%	60%	49%	54%	52%
compliance survey: HMVs with COF offences	<b>18%</b>	2009	18%				18%	
HMVs with worktime and logbook compliance offences	<b>18%</b>	2009	18%				18%*	
HMVs with commercial operator non-compliance offences	<b>72%</b>	2009	72%				72%	
HMVs with RUC compliance offences	<b>6%</b>	2009	6%			5%	6%	
% of HMV drivers exceeding 90 km/h speed limit	<b>45%</b>	2010	42%	44%	40%	46%	43%	45%
% of HMV drivers exceeding 50 km/h speed limit	<b>44%</b>	2010	47%	51%	49%	55%	48%	44%
<b>Walking and cycling</b>								
<b>pedestrians and cyclists hospitalised &gt;1d, per 100,000 popn.</b>	<b>9.7</b>	Dec 2010	9.7	12.6	11.4	11.4	10.5	9.7
pedestrians and cyclists killed, per 100,000 popn.	<b>1.0</b>	Dec 2010	1.0	1.3	1.4	1.1	0.9	1.0
fatal and serious injuries to school age (5-17) cyclists and peds	<b>20</b>	Dec 2010	73	119	108	99	101	73
% cyclists wearing helmets	<b>93%</b>	2010	93%	94%	92%	92%	92%	93%
<b>Older road users</b>								
<b>persons over 75 years killed in road crashes, per 100,000 75+ yr olds</b>	<b>13</b>	Dec 2010	13	20	15	12	14	13
drivers over 75 years killed per 100,000	<b>7.7</b>	Dec 2010	7.0	9.7	7.9	5.7	9.2	7.0
drivers over 75 years, seriously injured, per 100,000	<b>20</b>	Dec 2010	22	33	24	26	29	22
persons over 75 years, ACC claims, per 100,000	<b>79</b>	Mar 2011	76	99	96	99	96	75
<b>Restraints</b>								
<b>vehicle occupant deaths where restraints not worn</b>	<b>22</b>	Sep 2010	95	78	81	69	87	n/a
% of children (5-9 yrs) in booster seats (NEW)	<b>-</b>	-	-	-	-	-	n/a	n/a
% front seat adult vehicle occupants restrained	<b>96%</b>	2010	96%	95%	95%	96%	95%	96%
% rear seat adult vehicle occupants restrained	<b>88%</b>	2010	88%	89%	87%	87%	87%	88%
% child (0-4 yrs) vehicle occupants restrained	<b>93%</b>	2010	93%	91%	91%	90%	91%	93%
% of children (0-14 yrs) appropriately restrained	<b>98%</b>	2010	98%	96%	94%	98%	97%	98%
% drivers think highly likely to be stopped for non-compliance	<b>41%</b>	2010	41%	37%	38%	40%	39%	41%
% front passengers think highly likely to be stopped for non-compliance	<b>40%</b>	2010	40%	36%	37%	39%	37%	40%
% rear passengers think highly likely to be stopped for non-compliance	<b>17%</b>	2010	17%	16%	18%	18%	18%	17%

(1) Counts OPEN ROAD crashes with no ALCOHOL, UNLICENSED DRIVERS, or PEDESTRIANS, either HEAD ON on straight road, or SINGLE VEHICLE between 0000-0559h or 1400-1559h

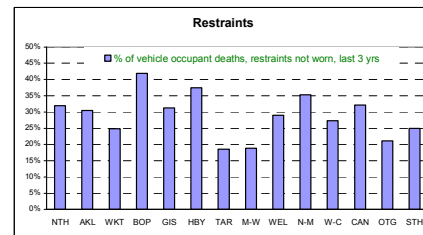
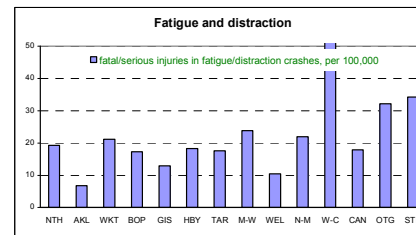
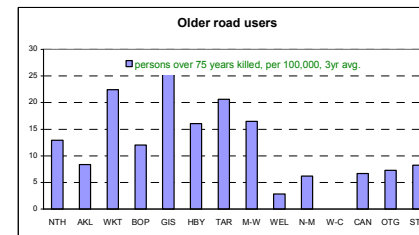
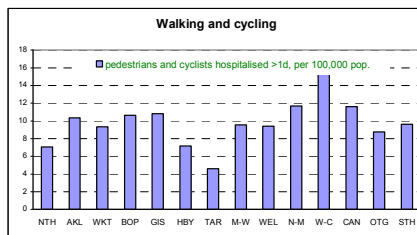
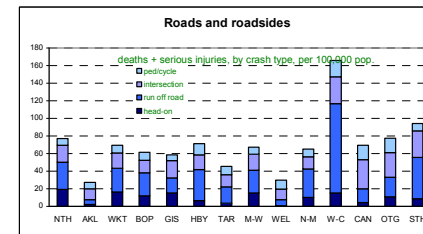
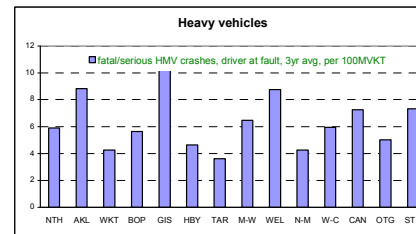
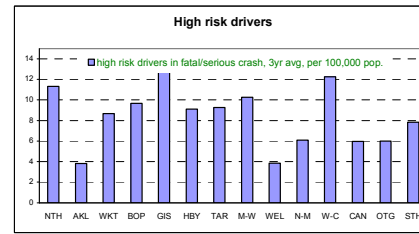
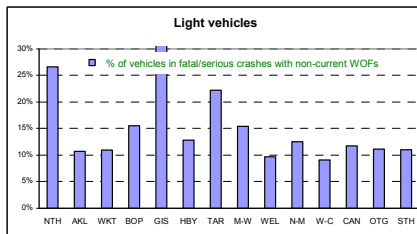
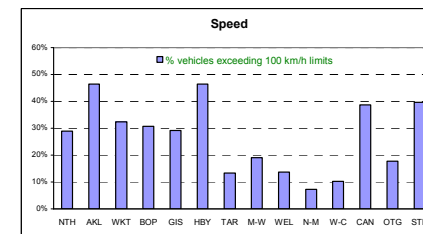
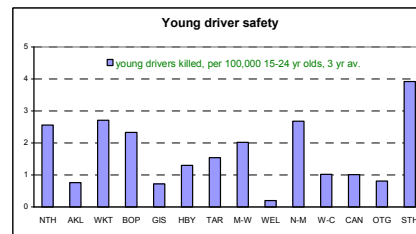
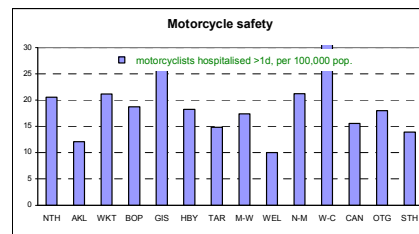
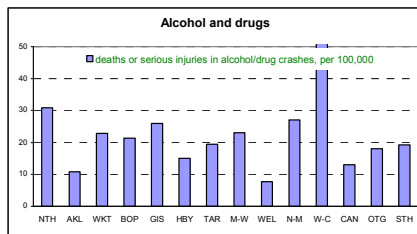
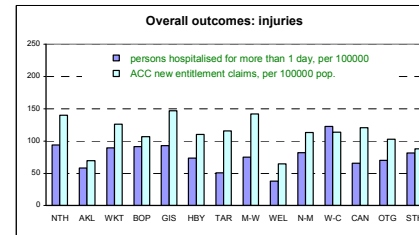
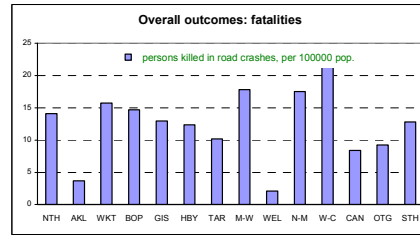
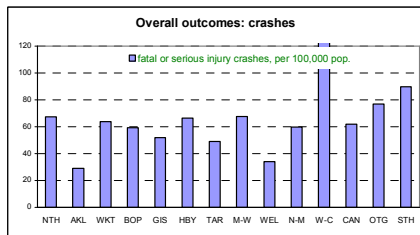
(2) High risk driver = disqualified, unlicensed, illegal street racing, evading enforcement

(3) National headline measure not available at regional/district level, this measure used instead for Local Government Region and Police District charts

## Quarterly road safety outcomes to March 2011, by Police District



## Quarterly road safety outcomes to March 2011, by Local Government Region



<b>Police District road safety outcomes</b>		NTH	WTM	AKL	C-M	WKT	BOP	EAS	CEN	WEL	TAS	CAN	STH		<b>NZ</b>
<b>Overall</b>	fatal or serious injury crashes, per 100,000 pop.	67	32	26	30	60	63	63	63	33	73	62	81		<b>50</b>
	persons killed in road crashes, per 100000 pop.	14	3	3	5	15	15	13	16	2	18	8	10		<b>9</b>
	persons hospitalised more than 1 day (>1d) , per 100000	94	58	58	59	90	90	78	67	38	89	66	74		<b>67</b>
	ACC new entitlement claims, per 100000 pop.	140	70	70	72	127	109	119	132	65	114	120	98		<b>100</b>
<b>Alcohol</b>	deaths or serious injuries in alc/drug crashes, per 100,000	31	11	10	12	22	23	18	22	7	31	13	18		<b>16</b>
<b>Youth</b>	young drivers killed, per 100,000 15-24 yr olds, 3 yr avg.	21	6	2	7	15	23	9	13	1	20	7	11		<b>9.1</b>
<b>Speed</b>	% vehicles exceeding 100 km/h limits	29%			46%	36%	28%	43%	18%	14%	8%	39%	24%		<b>28%</b>
<b>High risk</b>	high risk drivers in fatal/serious crash, 3yr avg, per 100,000	11	4	3	5	7	10	10	10	3	8	6	7		<b>6</b>
<b>Roads and roadsides</b>	deaths + serious injuries in head-on crashes, per 100,000	19	4	0	1	15	15	9	11	1	11	5	10		<b>7</b>
	deaths + serious injuries, run-off road crashes, per 100,000	30	6	2	9	23	28	31	25	6	44	15	30		<b>17</b>
	deaths + serious injuries, intersection crashes, per 100,000	19	10	14	14	16	19	18	17	12	17	34	28		<b>18</b>
	deaths + serious injuries in ped/cyclist crashes, per 100,000	8	6	11	6	10	9	8	10	9	9	12	16		<b>9</b>
<b>Motorcycle</b>	motorcyclists hospitalised >1d, per 100,000 pop.	21	12	12	12	21	19	20	16	10	24	16	17		<b>15</b>
<b>Light veh.</b>	% of vehicles in fatal/serious crashes with non-current WOFs	27%	12%	11%	10%	9%	16%	20%	17%	10%	11%	12%	11%		<b>13%</b>
<b>Fatigue</b>	fatal/serious injuries in fatigue/distraction crashes, per 100k	19	9	4	8	19	20	17	22	10	31	18	33		<b>16</b>
<b>Heavy veh.</b>	fatal/serious HMV at fault crashes, 3yr avg, per 100MVKT	6	7	7	11	4	5	6	6	9	5	7	6		<b>6</b>
<b>Walk/cycle</b>	pedestrians and cyclists hospitalised >1d, per 100,000 pop.	7	10	10	10	9	10	8	8	9	12	12	9		<b>10</b>
<b>Older users</b>	persons over 75 years killed, per 100,000, 3yr avg.	13	6	13	7	20	16	18	20	5	11	13	18		<b>13</b>
<b>Restraints</b>	% of vehicle occupant deaths, restraints not worn, last 3 yrs	32%	22%	33%	31%	29%	33%	36%	19%	30%	33%	33%	23%		<b>29%</b>

<b>Local Government Region road safety outcomes</b>		NTH	AKL	WKT	BOP	GIS	HBY	TAR	M-W	WEL	N-M	W-C	CAN	OTG	STH
<b>Overall</b>	fatal or serious injury crashes, per 100,000 pop.	67	29	64	59	52	66	49	68	34	60	138	62	77	90
	persons killed in road crashes, per 100000 pop.	14	4	16	15	13	12	10	18	2	18	21	8	9	13
	persons hospitalised more than 1 day (>1d) , per 100000	94	58	89	91	93	74	51	75	38	82	123	66	70	81
	ACC new entitlement claims, per 100000 pop.	140	70	126	107	147	110	116	142	65	113	113	121	103	88
<b>Alcohol</b>	deaths or serious injuries in alc/drug crashes, per 100,000	31	11	23	21	26	15	19	23	8	27	52	13	18	19
<b>Youth</b>	young drivers killed, per 100,000 15-24 yr olds, 3 yr avg.	21	5	19	18	5	10	12	13	4	37	16	15	12	58
<b>Speed</b>	% vehicles exceeding 100 km/h limits	29%	46%	32%	31%	29%	46%	13%	19%	14%	7%	10%	39%	18%	40%
<b>High risk</b>	high risk drivers in fatal/serious crash, 3yr avg, per 100,000	11	4	9	10	14	9	9	10	4	6	12	6	6	8
<b>Roads and roadsides</b>	deaths + serious injuries in head-on crashes, per 100,000	19	2	16	12	15	7	4	15	1	10	15	4	11	9
	deaths + serious injuries, run-off road crashes, per 100,000	31	5	27	26	17	35	19	26	7	32	101	15	22	47
	deaths + serious injuries, intersection crashes, per 100,000	19	12	17	14	19	17	14	18	12	14	31	33	28	30
	deaths + serious injuries in ped/cyclist crashes, per 100,000	8	7	9	9	6	12	9	8	10	9	18	16	17	9
<b>Motorcycle</b>	motorcyclists hospitalised >1d, per 100,000 pop.	21	12	21	19	26	18	15	17	10	21	37	16	18	14
<b>Light veh.</b>	% of vehicles in fatal/serious crashes with non-current WOFs	27%	11%	11%	16%	44%	13%	22%	15%	10%	13%	9%	12%	11%	11%
<b>Fatigue</b>	fatal/serious injuries in fatigue/distraction crashes, per 100k	19	7	21	17	13	18	18	24	10	22	71	18	32	34
<b>Heavy veh.</b>	fatal/serious HMV at fault crashes, 3yr avg, per 100MVKT	6	9	4	6	11	5	4	6	9	4	6	7	5	7
<b>Walk/cycle</b>	pedestrians and cyclists hospitalised >1d, per 100,000 pop.	7	10	9	11	11	7	5	10	9	12	15	12	9	10
<b>Older users</b>	persons over 75 years killed, per 100,000, 3yr avg.	13	8	22	12	26	16	21	16	3	6	0	7	7	8
<b>Restraints</b>	% of vehicle occupant deaths, restraints not worn, last 3 yrs	32%	30%	25%	42%	31%	38%	19%	19%	29%	35%	27%	32%	21%	25%