



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

Period in Review

July – September 2011

Issued on: 31 October 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.

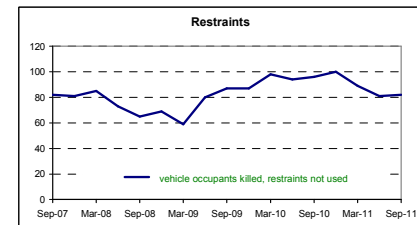
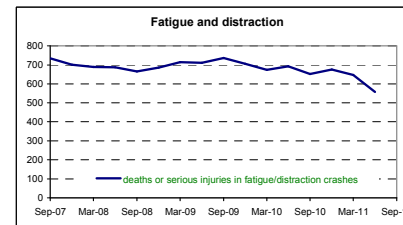
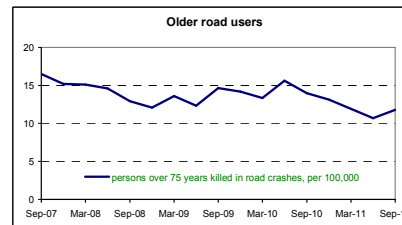
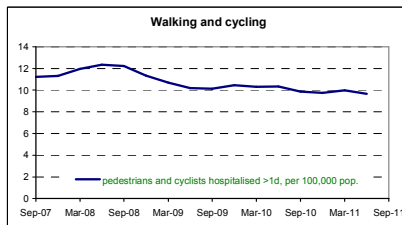
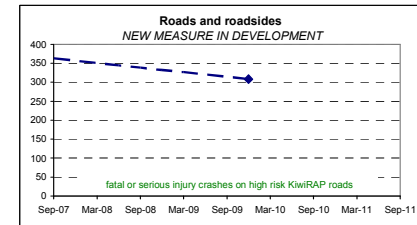
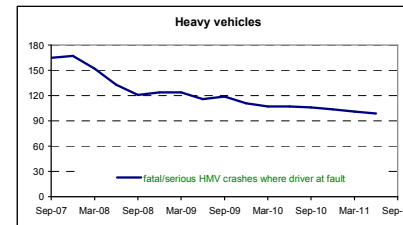
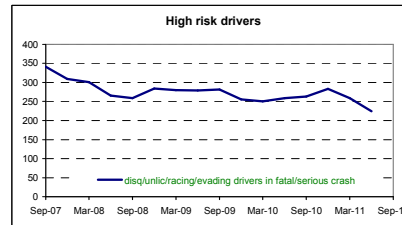
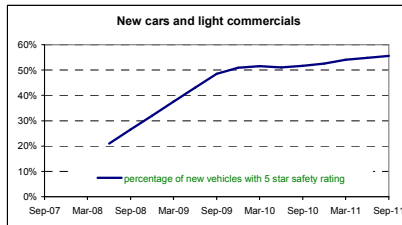
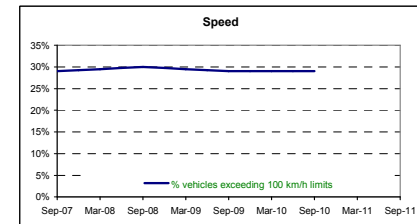
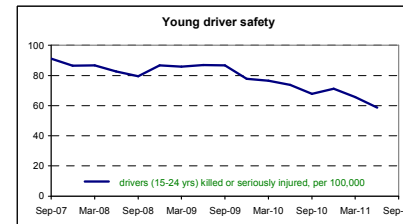
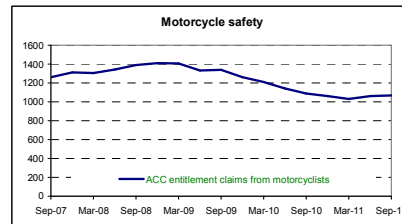
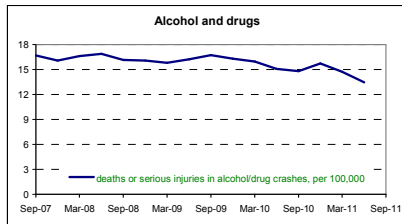
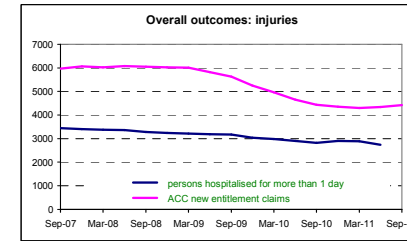
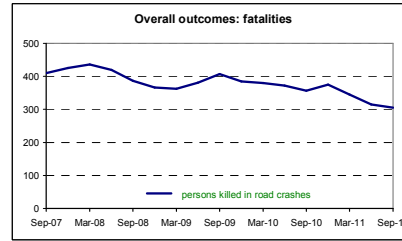
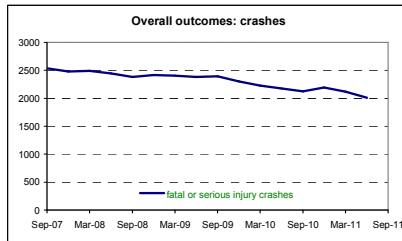
Outcome measures are provided for the most recently available quarter, to September 2011 in some cases but usually to June 2011. Some measures are only available on an annual basis.

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 and serious injury crashes have fallen to their **lowest annual total** on record, just above 2,000 in 12 months to June 2011
- young driver casualty rates have **dropped by 35%** in the past 2 years, from 87 to 59 per 100,000 15-24 year olds
- the Light Vehicles result now reflects new cars and light commercial vehicles sold; **56% had five star crash ratings** in the past year
- despite New Zealand’s very high restraint usage rates, around **80 vehicle occupants each year** are killed while unrestrained

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



Quarterly road safety outcomes	latest available figures			Last 5 years				
	latest quarter	latest 12 months	as at	2006	2007	2008	2009	2010
Overall outcomes								
fatal or serious injury crashes	415	2008	Jun 2011	2516	2475	2413	2298	2194
persons killed in road crashes	69	305	Sep 2011	393	421	365	384	375
persons killed or seriously injured	467	2399	Jun 2011	3060	3056	2878	2809	2663
persons killed or seriously injured, per 100 million vehicle km travelled	599	565	Jun 2011	770	759	706	682	634
persons hospitalised for more than 1 day (>1d)	578	2736	Jun 2011	3396	3404	3240	3032	2906
ACC new entitlement claims	1107	4425	Sep 2011	5779	6062	6027	5252	4347
Alcohol and drugs								
deaths or serious injuries in alcohol/drug crashes, per 100,000 popn.	-	13.5	Jun 2011	16.1	16.2	16.2	16.3	15.7
drivers killed with excess alcohol	15	62	Mar 2011	54	65	59	66	-
% think high probability being stopped at CBT checkpoint	-	56%	2010	48%	54%	51%	52%	56%
% think high probability being tested for drugs (NEW)	-	n/a	-	-	-	-	n/a	n/a
Young drivers								
young drivers killed, per 100,000 15-24 yr olds	-	8.1	Sep 2011	9.7	9.3	10.1	7.7	9.3
young drivers (15-24 yrs) hospitalised >1d, per 100,000 15-24 yr olds	57	52	Jun 2011	75	74	73	65	55
% youth believe will be stopped for non alc/spd traffic offences	-	44%	2010	28%	39%	35%	41%	44%
drivers on GDL at fault in fatal/serious crashes	59	265	Jun 2011	440	402	384	372	278
young drivers (15-24 yrs) killed with excess alcohol, per 100,000	-	2.2	Jun 2011	2.6	2.8	3.7	3.0	-
fatal and serious crashes involving 15-19 yr old drivers	59	310	Jun 2011	526	477	450	442	379
Speed								
% vehicles exceeding 100 km/h limits	-	29%	2010	32%	29%	30%	29%	29%
% vehicles exceeding 50 km/h limits	-	58%	2010	63%	63%	64%	61%	58%
fatal/serious speed-related crashes	85	437	Jun 2011	515	549	521	464	458
% disagree probability being detected speeding is small	-	52%	2010	54	54	54	50%	52%
mean rural speed (km/h)	-	96.2	2010	96.4	96.3	96.6	96.3	96.2
mean urban speed (km/h)	-	52.0	2010	52.6	52.5	52.6	52.3	52.0
Motorcycle safety								
ACC entitlement claims from motorcyclists	234	1068	Sep 2011	1115	1312	1412	1262	1060
motorcycle and moped riders killed, per 100,000 popn.	-	0.7	Jun 2011	0.9	1.0	1.2	1.1	1.1
% of motorcycles in crashes with non-current WOFs	22%	25%	Jun 2011	23%	24%	28%	26%	27%
motorcyclists hospitalised >1d, per 100,000 popn.	-	13.6	Jun 2011	15.9	18.4	18.0	15.6	15.2
Roads and roadsides								
fatal or serious injury high risk KiwiRAP SH route crashes	-	308	2009	381	-	-	308	-
fatal and serious injury SH crashes on 2-star KiwiRAP rated roads (NEW)	-	n/a	-	-	-	300	n/a	n/a
deaths or serious injuries in head-on crashes ⁽³⁾	37	280	Jun 2011	413	421	340	361	296
deaths or serious injuries in run-off road crashes ⁽³⁾	127	657	Jun 2011	777	804	795	772	749
deaths or serious injuries in intersection crashes ⁽³⁾	156	729	Jun 2011	897	923	887	827	784
deaths or serious injuries in pedestrian/cyclist crashes ⁽³⁾	94	443	Jun 2011	487	477	500	418	437
High risk drivers								
fatal/serious crashes with high risk driver⁽²⁾	31	224	Jun 2011	284	309	284	255	283
% disqualified drivers detected driving	-	12%	2009	-	-	13%	12%	-
% disqualified drivers detected driving (3+ times)	-	6%	2009	-	-	7%	6%	-
disqualified or unlicensed drivers involved in fatal/serious crash ⁽³⁾	31	186	Jun 2011	225	249	241	203	238

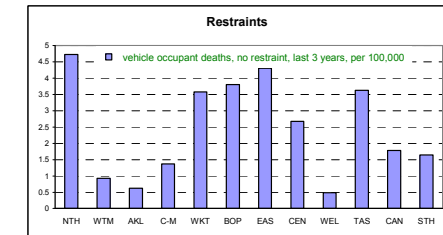
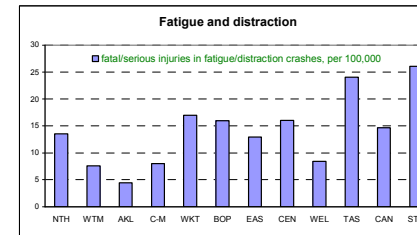
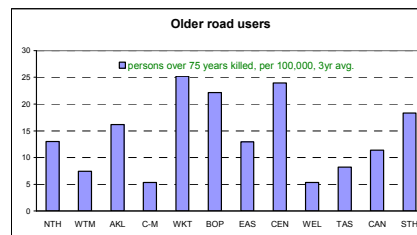
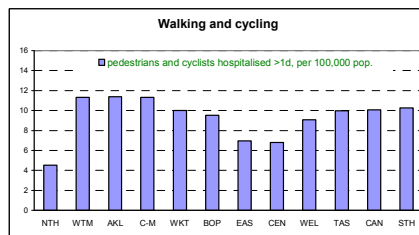
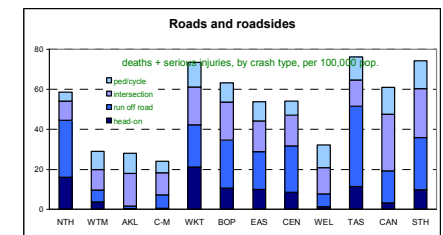
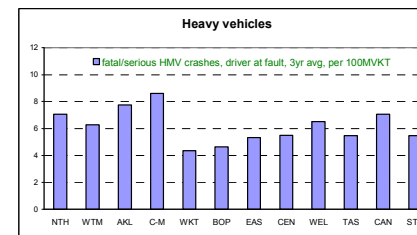
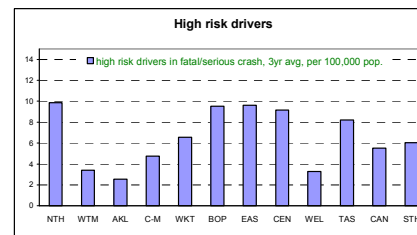
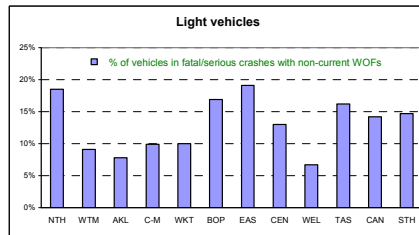
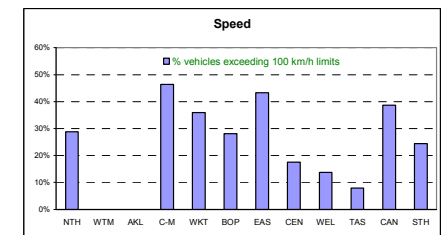
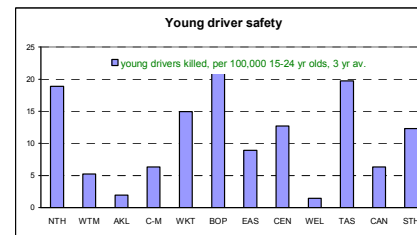
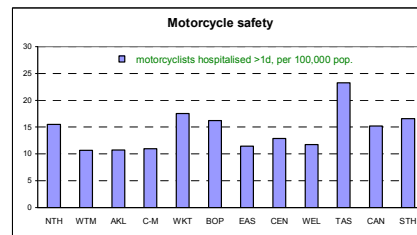
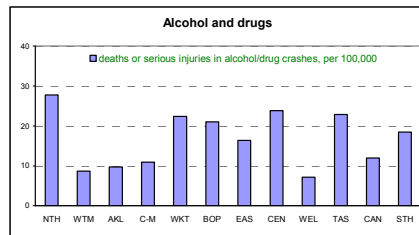
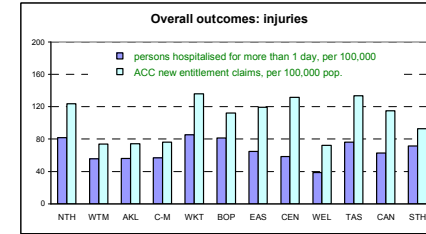
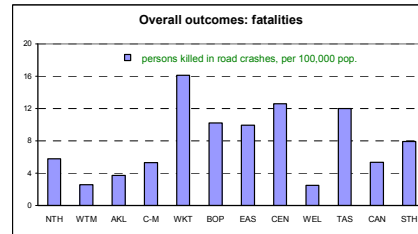
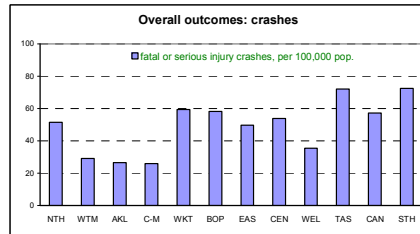
Light vehicles								
percentage of new vehicles with 5 star safety rating	55%	56%	Sep 2011	-	-	32%	51%	53%
% of vehicles in fatal/serious crashes with non-current WOFs ⁽³⁾	12%	13%	Jun 2011	14%	14%	14%	12%	13%
average (median) age of light vehicle fleet	-	12.9	2010	11.8	12.1	12.2	12.6	12.9
Fatigue and distraction								
deaths or serious injuries in fatigue/distraction crashes	91	557	Jun 2011	685	702	685	706	675
fatal/serious crashes with contributing fatigue/distraction	86	480	Jun 2011	556	545	563	567	551
fatal/serious crashes meeting ATSB fatigue definition ⁽¹⁾	25	104	Jun 2011	152	174	127	160	134
Heavy vehicles								
fatal/serious injury HMV crashes where driver at fault	21	99	Jun 2011	129	169	124	111	104
fatal/serious crashes involving HMVs	39	203	Jun 2011	296	308	277	226	212
% of fatal/serious HMV crashes where HMV driver at fault	54%	49%	Jun 2011	44%	54%	45%	49%	49%
% of HMV drivers exceeding 90 km/h speed limit	-	45%	2010	44%	40%	46%	43%	45%
% of HMV drivers exceeding 50 km/h speed limit	-	44%	2010	51%	49%	55%	48%	44%
Walking and cycling								
pedestrians and cyclists hospitalised >1d, per 100,000 popn.	-	9.7	Jun 2011	12.6	11.4	11.4	10.5	9.7
pedestrians and cyclists killed, per 100,000 popn.	-	1.0	Sep 2011	1.3	1.4	1.1	0.9	1.0
fatal and serious injuries to school age (5-17) cyclists and peds	17	89	Jun 2011	119	108	99	101	75
% cyclists wearing helmets	-	93%	2011	94%	92%	92%	92%	93%
Older road users								
persons over 75 years killed in road crashes, per 100,000 75+ yr olds	-	12	Sep 2011	20	15	12	14	13
drivers over 75 years killed per 100,000	7.6	6.5	Sep 2011	9.7	7.9	5.7	9.2	7.0
drivers over 75 years, seriously injured, per 100,000	23	23	Jun 2011	33	24	26	29	22
persons over 75 years, ACC claims, per 100,000	62	70	Sep 2011	99	96	99	96	75
Restraints								
vehicle occupant deaths where restraints not worn	24	82	Sep 2011	78	81	69	87	100
% of children (5-9 yrs) in booster seats (NEW)	-	-	-	-	-	-	n/a	n/a
% front seat adult vehicle occupants restrained	-	96%	2010	95%	95%	96%	95%	96%
% rear seat adult vehicle occupants restrained	-	88%	2010	89%	87%	87%	87%	88%
% child (0-4 yrs) vehicle occupants restrained	-	93%	2010	91%	91%	90%	91%	93%
% drivers think highly likely to be stopped for non-compliance	-	41%	2010	37%	38%	40%	39%	41%

(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

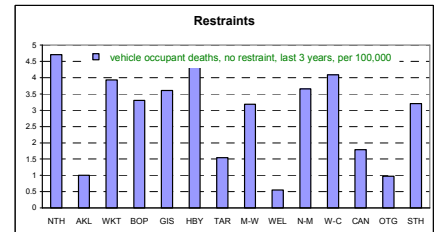
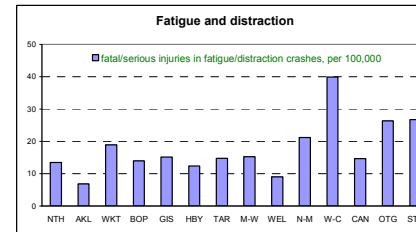
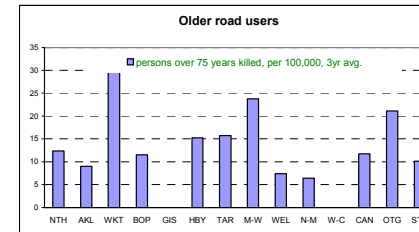
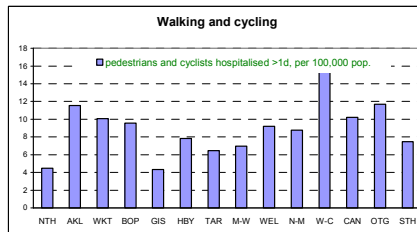
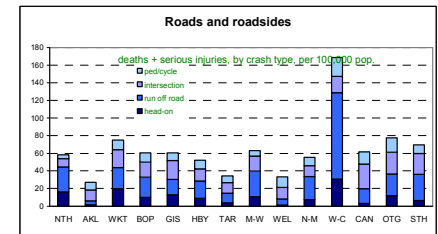
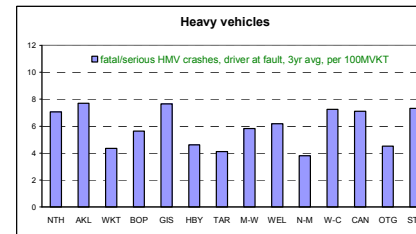
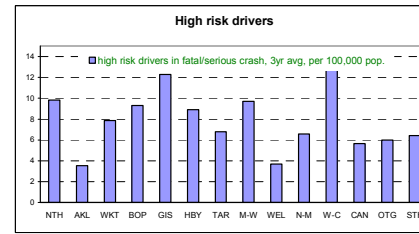
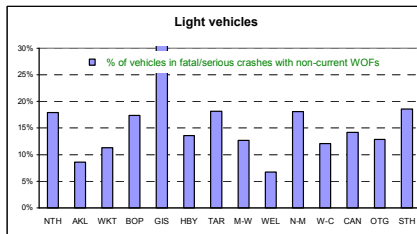
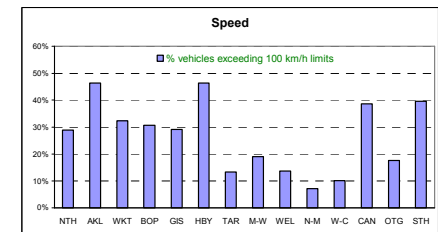
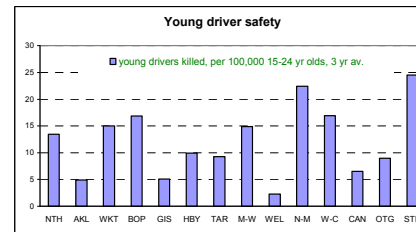
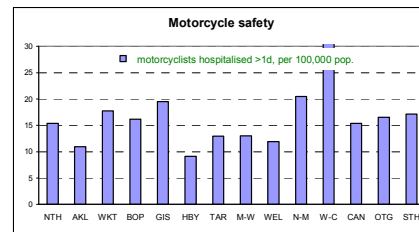
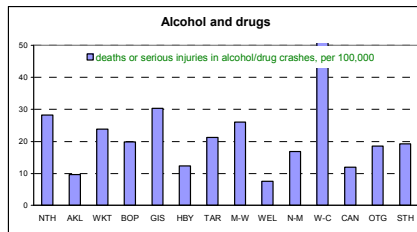
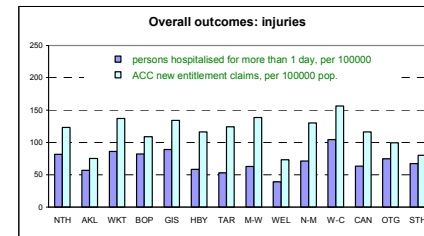
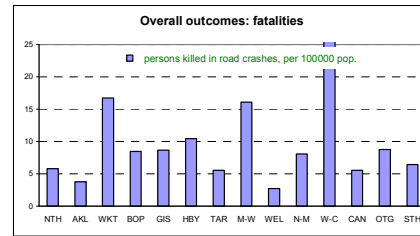
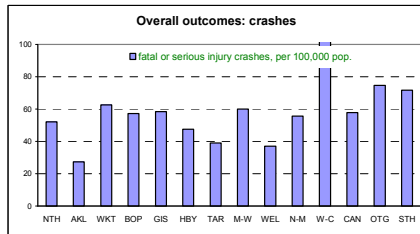
(2) High risk driver = disqualified, unlicensed, illegal street racing, evading enforcement

(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 September 2011, by Police District



Quarterly road safety outcomes to September 2011, by Local Government Region



Police District road safety outcomes		NTH	WTM	AKL	C-M	WKT	BOP	EAS	CEN	WEL	TAS	CAN	STH		NZ
Overall	fatal or serious injury crashes, per 100,000 pop.	52	29	26	26	59	58	50	54	36	72	57	73		46
	persons killed in road crashes, per 100,000 pop.	6	3	4	5	16	10	10	13	3	12	5	8		7
	persons hospitalised more than 1 day (>1d) , per 100000	82	56	56	57	85	82	65	59	38	76	63	72		63
	ACC new entitlement claims, per 100000 pop.	124	74	74	76	136	112	119	132	72	134	115	93		101
Alcohol	deaths or serious injuries in alc/drug crashes, per 100,000	28	9	10	11	22	21	16	24	7	23	12	19		15
Youth	young drivers killed, per 100,000 15-24 yr olds, 3 yr avg.	14	7	1	6	12	20	9	14	2	21	7	13		8.8
Speed	% vehicles exceeding 100 km/h limits	29%			46%	36%	28%	43%	18%	14%	8%	39%	24%		28%
High risk	high risk drivers in fatal/serious crash, 3yr avg, per 100,000	10	3	3	5	7	10	10	9	3	8	6	6		6
Roads and roadsides	deaths + serious injuries in head-on crashes, per 100,000	16	4	0	1	21	11	10	9	1	11	3	10		6
	deaths + serious injuries, run-off road crashes, per 100,000	28	6	1	7	21	24	19	23	7	40	16	26		15
	deaths + serious injuries, intersection crashes, per 100,000	10	10	16	11	19	19	15	15	13	13	28	24		17
	deaths + serious injuries in ped/cyclist crashes, per 100,000	5	9	10	6	12	10	9	7	11	11	14	14		10
Motorcycles	motorcyclists hospitalised >1d, per 100,000 pop.	16	11	11	11	18	16	11	13	12	23	15	17		14
Light veh.	% of vehicles in fatal/serious crashes with non-current WOFs	19%	9%	8%	10%	10%	17%	19%	13%	7%	16%	14%	15%		13%
Fatigue	fatal/serious injuries in fatigue/distraction crashes, per 100k	14	8	4	8	17	16	13	16	8	24	15	26		13
Heavy veh.	fatal/serious HMV at fault crashes, 3yr avg, per 100MVKT	7	6	8	9	4	5	5	6	7	5	7	5		6
Walk/cycle	pedestrians and cyclists hospitalised >1d, per 100,000 pop.	5	11	11	11	10	10	7	7	9	10	10	10		10
Older users	persons over 75 years killed, per 100,000, 3yr avg.	13	7	16	5	25	22	13	24	5	8	11	18		14
Restraints	occupant deaths, restraints not worn, last 3 yrs, per 100,000	5	1	1	1	4	4	4	3	1	4	2	2		2

Local Government Region road safety outcomes		NTH	AKL	WKT	BOP	GIS	HBV	TAR	M-W	WEL	N-M	W-C	CAN	OTG	STH
Overall	fatal or serious injury crashes, per 100,000 pop.	52	27	62	57	58	48	39	60	37	56	147	58	74	72
	persons killed in road crashes, per 100000 pop.	6	4	17	8	9	10	6	16	3	8	28	6	9	6
	persons hospitalised more than 1 day (>1d) , per 100000	82	57	86	82	89	58	53	63	39	71	104	63	74	67
	ACC new entitlement claims, per 100000 pop.	123	75	137	109	134	116	124	139	73	130	156	116	99	80
Alcohol	deaths or serious injuries in alc/drug crashes, per 100,000	28	10	24	20	30	12	21	26	8	17	52	12	19	19
Youth	young drivers killed, per 100,000 15-24 yr olds, 3 yr avg.	14	5	15	17	5	10	9	15	2	22	17	7	9	25
Speed	% vehicles exceeding 100 km/h limits	29%	46%	32%	31%	29%	46%	13%	19%	14%	7%	10%	39%	18%	40%
High risk	high risk drivers in fatal/serious crash, 3yr avg, per 100,000	10	4	8	9	12	9	7	10	4	7	14	6	6	6
Roads and roadsides	deaths + serious injuries in head-on crashes, per 100,000	16	2	20	10	13	9	4	11	1	7	31	3	12	6
	deaths + serious injuries, run-off road crashes, per 100,000	28	4	24	23	17	20	11	29	7	26	98	16	25	30
	deaths + serious injuries, intersection crashes, per 100,000	10	12	20	17	22	14	12	17	13	12	18	28	25	24
	deaths + serious injuries in ped/cyclist crashes, per 100,000	4	9	11	11	9	10	7	6	12	10	21	14	16	10
Motorcycles	motorcyclists hospitalised >1d, per 100,000 pop.	15	11	18	16	20	9	13	13	12	21	37	15	17	17
Light veh.	% of vehicles in fatal/serious crashes with non-current WOFs	18%	9%	11%	17%	32%	14%	18%	13%	7%	18%	12%	14%	13%	19%
Fatigue	fatal/serious injuries in fatigue/distraction crashes, per 100k	13	7	19	14	15	12	15	15	9	21	40	15	26	27
Heavy veh.	fatal/serious HMV at fault crashes, 3yr avg, per 100MVKT	7	8	4	6	8	5	4	6	6	4	7	7	5	7
Walk/cycle	pedestrians and cyclists hospitalised >1d, per 100,000 pop.	5	12	10	10	4	8	7	7	9	9	15	10	12	8
Older users	persons over 75 years killed, per 100,000, 3yr avg.	12	9	31	12	0	15	16	24	7	6	0	12	21	10
Restraints	occupant deaths, restraints not worn, last 3 yrs, per 100,000	5	1	4	3	4	5	2	3	1	4	4	2	1	3