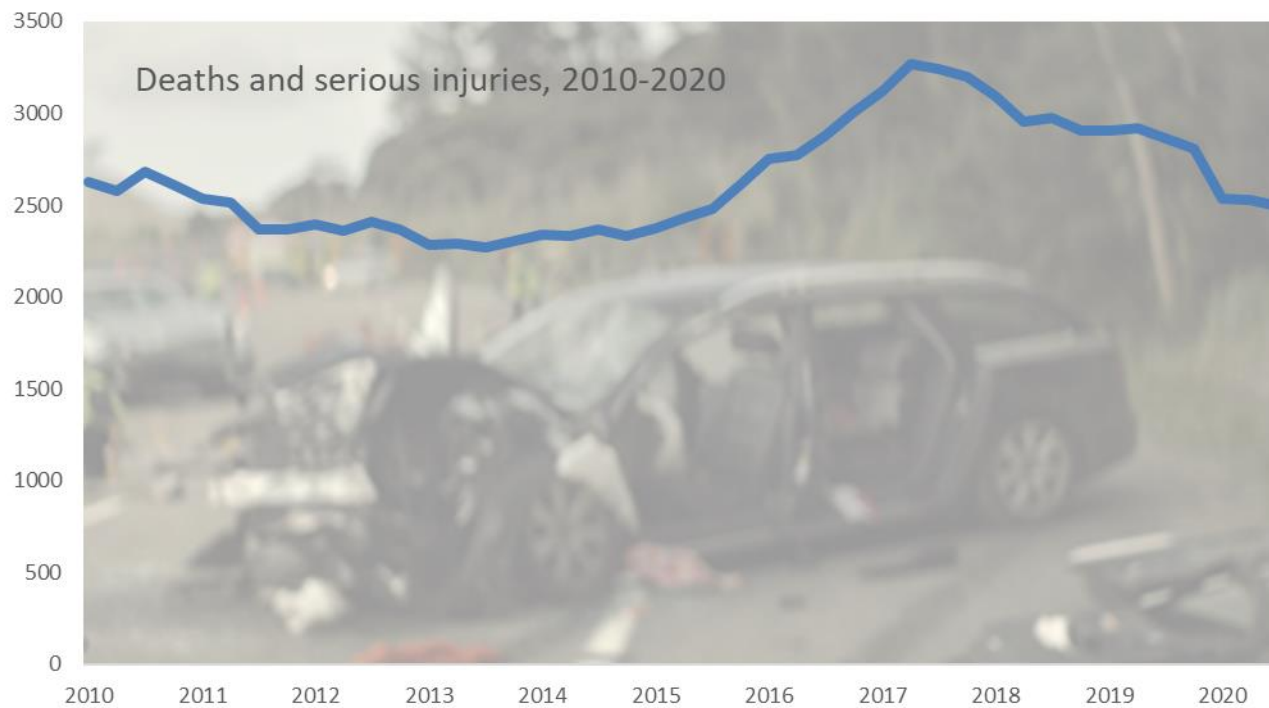


ROAD SAFETY OUTCOMES

Supplement to the NZ Transport Agency's
Quarterly results and insights

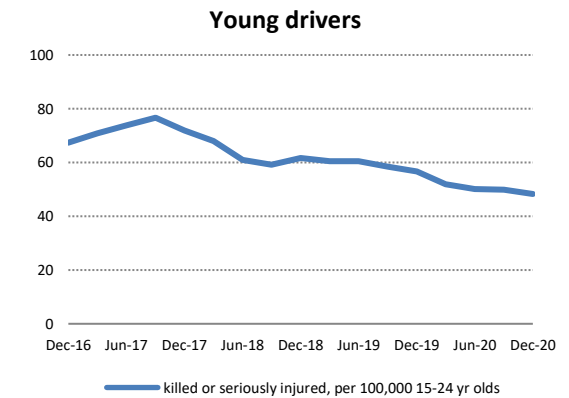
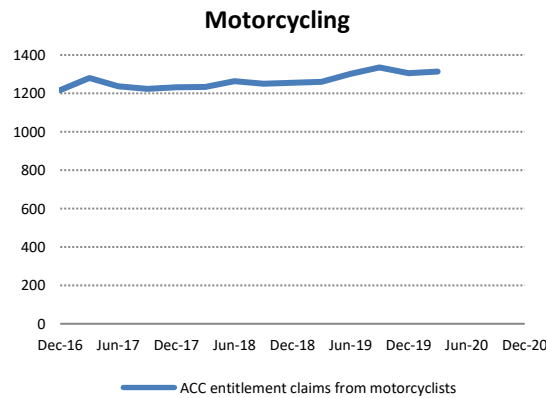
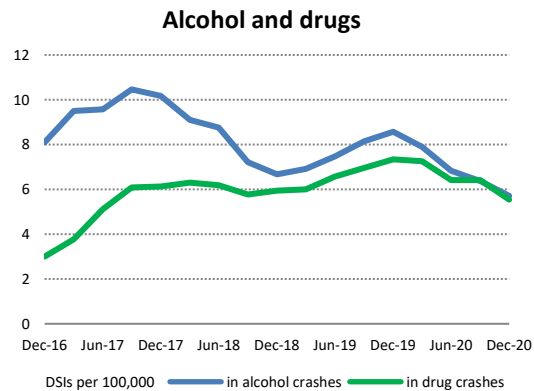
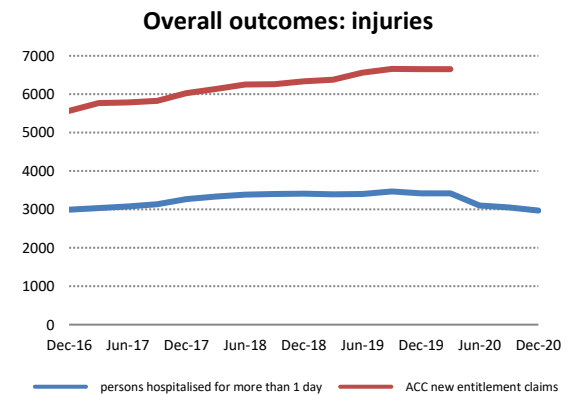
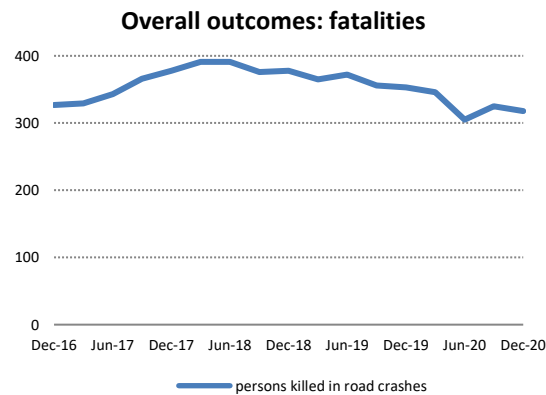
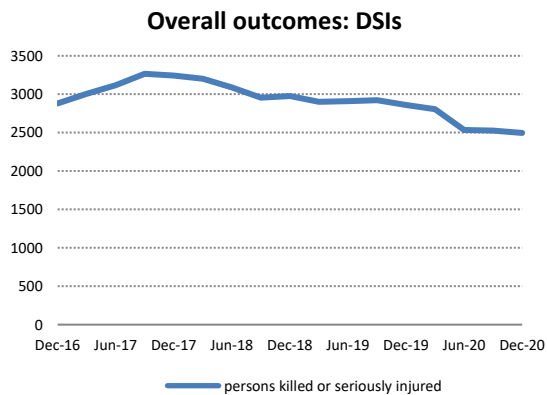
1 October to 31 December 2020

Q2 2020/21



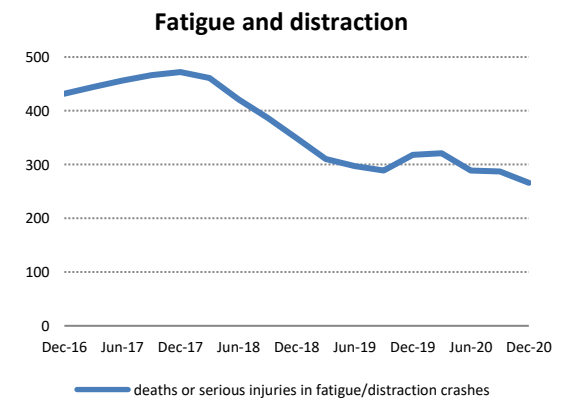
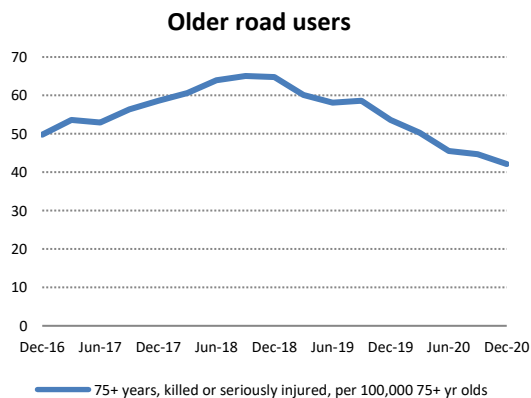
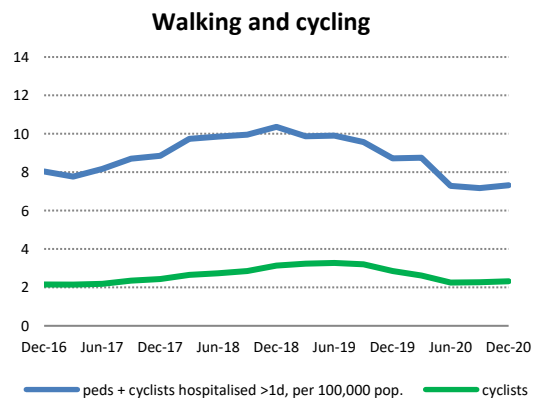
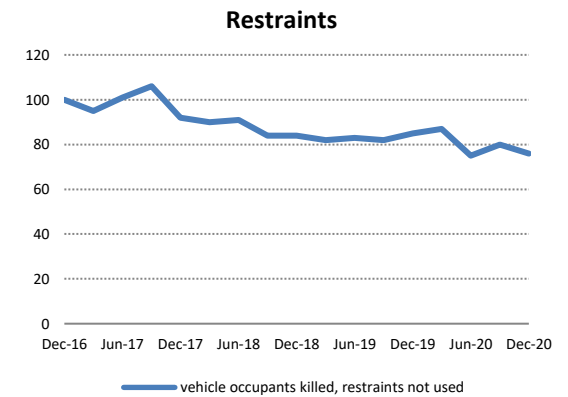
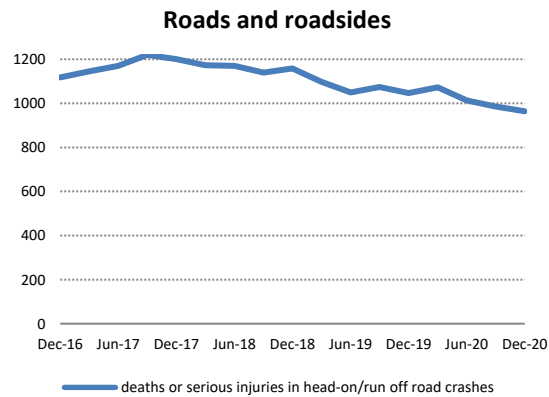
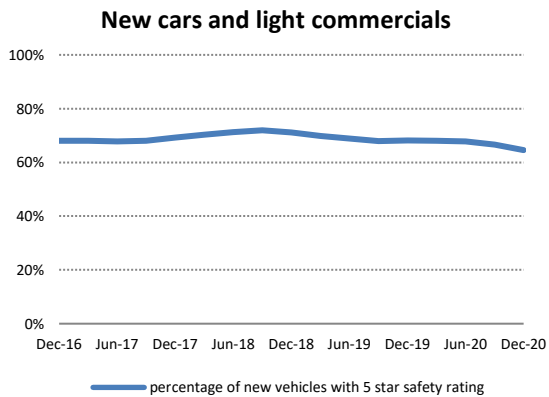
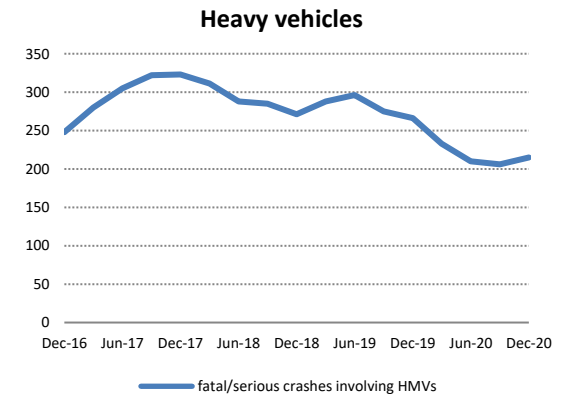
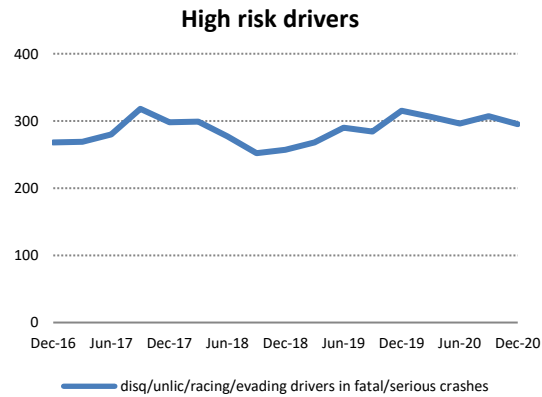
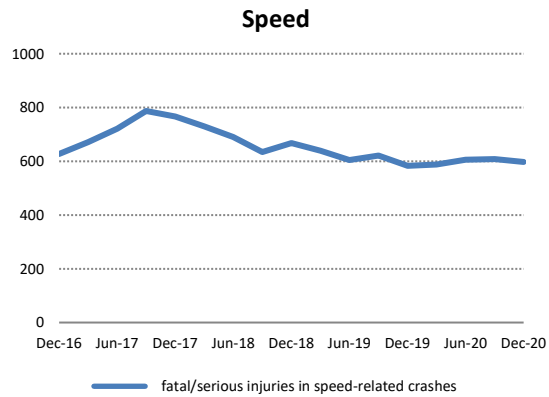
ROAD SAFETY OUTCOME TRENDS 2016–2020 (12 month rolling figures)

Road safety outcome measures in the following charts and tables are provided for the last five years, up to the most recently available quarter. The measures are obtained from the Transport Agency’s Crash Analysis System*, ACC entitlement claims, Ministry of Health hospital discharge data*, Ministry of Transport speed, restraint and public attitude surveys, Statistics NZ population data, Police enforcement data, and new vehicle registration figures.
 (* Injury data from the Crash Analysis System and from hospital discharge data are incomplete for the most recent quarter and should be treated as provisional.)



More information

This document and its time series data are available on the NZ Transport Agency’s website at <http://www.nzta.govt.nz/resources/road-safety-outcomes/>
 Published 11 March 2021 NZ Transport Agency Private Bag 6995 Wellington 6141



NATIONAL ROAD SAFETY OUTCOMES IN DETAIL	LATEST FIGURES			LAST FIVE CALENDAR YEARS				
	latest quarter	latest 12 months	as at	2016	2017	2018	2019	2020
Overall outcomes								
persons killed or seriously injured in road crashes	721	2496	Dec 2020	2879	3244	2978	2861	2496
fatal or serious injury crashes	613	2134	Dec 2020	2401	2752	2461	2442	2134
persons killed in road crashes	90	318	Dec 2020	327	378	378	353	318
persons killed in road crashes, per 100,000 population, per year	7.0	6.2	Dec 2020	6.9	7.8	7.6	7.0	6.2
persons killed in road crashes, per billion vehicle km travelled	7.3	6.4	Dec 2020	7.4	8.3	8.1	7.3	6.4
persons killed or seriously injured, per 100,000 population, per year	56	49	Dec 2020	60	67	60	57	49
persons hospitalised for more than 1 day (>1d), non-fatal	796	2971	Dec 2020	2996	3271	3414	3416	2971
ACC new entitlement claims	1647	6652	Mar 2020	5567	6024	6340	6653	
Alcohol and drugs								
fatal or serious injuries in alcohol (+ve test), per 100,000 population, per year	6.3	5.7	Dec 2020	8.2	10.2	6.7	8.6	5.7
drivers killed with excess alcohol, per 100,000 population	0.8	0.8	Dec 2020	1.1	0.9	1.1	1.1	0.8
fatal or serious injuries in drug-related crashes (suspected/confirmed), per 100,000	4.4	5.5	Dec 2020	3.0	6.1	5.9	7.3	5.5
% think high probability being stopped at CBT checkpoint	-	50%	2016	50%	-	-		
% admit driven while affected by prescription or other drugs	-	9%	2016	9%	-	-		
Young drivers								
young drivers killed or seriously injured, per 100,000 15-24 year olds, per year	54	48	Dec 2020	67	72	62	57	48
young drivers (15-24 years) hospitalised >1d, per 100,000 15-24 year olds, per year	47	45	Dec 2020	46	54	50	56	45
young drivers (15-24 years) killed, per 100,000 15-24 year olds, per year	6.1	6.6	Dec 2020	6.8	7.0	8.4	6.1	6.6
young drivers (15-24 years) killed with excess alcohol, per 100,000 15-24 yr olds, per year	1.2	1.8	Dec 2020	3.3	2.6	2.4	1.8	1.8
% youth believe will be stopped for non-alcohol/speed traffic offences	-	39%	2016	39%	-	-		
drivers on GDL primary contributor in fatal/serious crashes	78	274	Dec 2020	308	377	308	318	274
fatal and serious crashes involving 15-19 year old drivers	70	253	Dec 2020	341	330	320	294	253
Speed								
deaths or serious injuries in speed-related crashes	170	597	Dec 2020	627	766	668	583	597
% vehicles exceeding 100 km/h limits	-	23%	2015					
deaths or serious injuries in open road (80-100km/h) crashes	389	1369	Dec 2020	1599	1727	1664	1533	1369
fatal/serious speed-related crashes	146	491	Dec 2020	492	617	509	481	491
% disagree probability being detected speeding is small	-	55%	2016	55%	-	-		
mean rural speed (km/h)	-	95.7	2015					
mean urban speed (km/h)	-	50.4	2015					
Motorcycling								
ACC entitlement claims from motorcyclists	384	1305	Mar 2020	1217	1232	1255	1305	
motorcycle and moped riders killed, per 100,000 population, per year	1.6	1.1	Dec 2020	1.1	0.9	1.1	1.1	1.1
% of motorcycles in crashes with non-current WoFs	19%	18%	Dec 2020	20%	16%	19%	19%	18%
motorcyclists hospitalised >1d, per 100,000 population, per year ⁽¹⁾	15.8	14.6	Dec 2020	13.8	15.0	14.4	15.6	14.6
Roads and roadsides								
fatal or serious injuries in head-on* and run off road crashes, 80-100 km/h roads	267	964	Dec 2020	1118	1200	1158	1047	964
fatal or serious injuries in head-on (* not overtaking) crashes, 80-100 km/h roads	66	251	Dec 2020	316	419	437	329	251
fatal or serious injuries in run off road crashes, 80-100 km/h roads	201	713	Dec 2020	802	781	721	718	713
fatal or serious injuries in intersection crashes	238	860	Dec 2020	819	932	1106	1082	860
fatal or serious injuries in pedestrian/cyclist crashes	114	402	Dec 2020	470	546	510	463	402
fatal or serious injuries in all crashes on SH network	279	954	Dec 2020	1057	1200	1155	1024	954

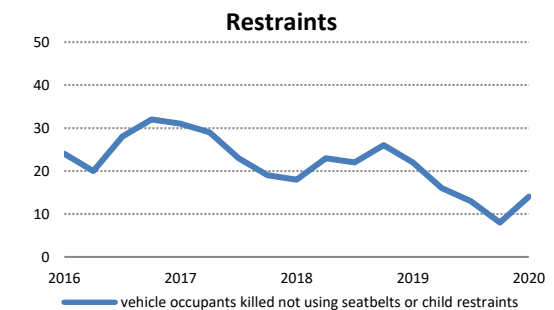
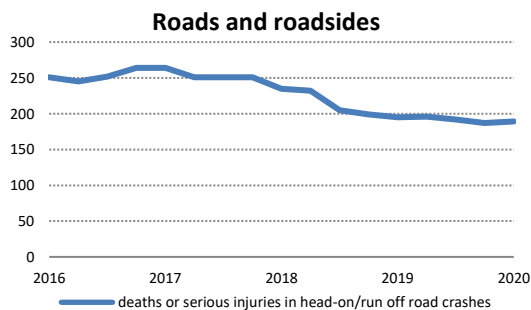
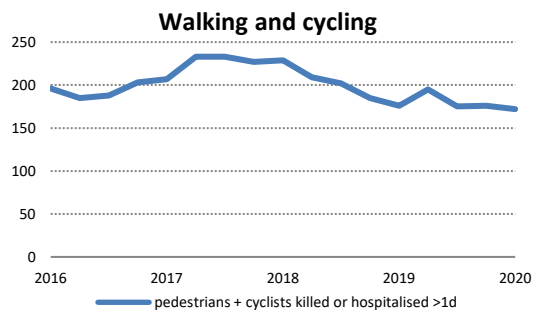
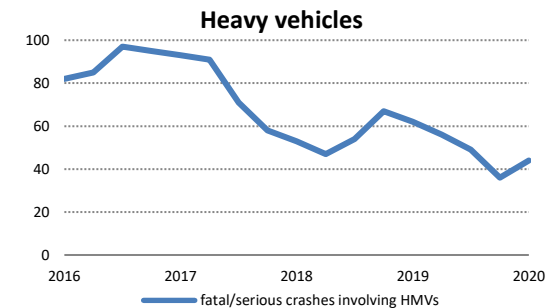
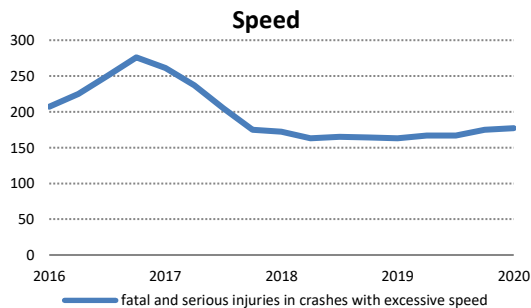
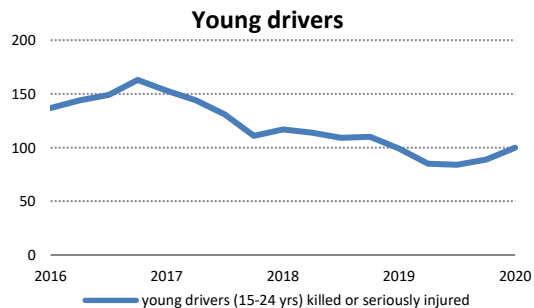
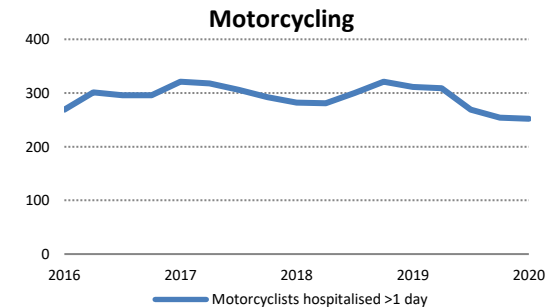
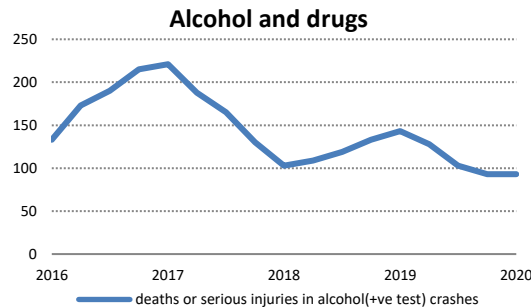
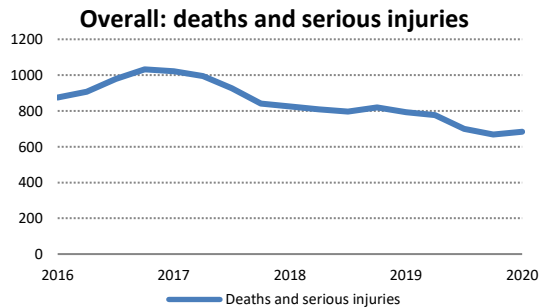
NATIONAL ROAD SAFETY OUTCOMES IN DETAIL	LATEST FIGURES			LAST FIVE CALENDAR YEARS				
	latest quarter	latest 12 months	as at	2016	2017	2018	2019	2020
High risk drivers								
high risk drivers⁽¹⁾ in fatal or serious injury crashes	95	295	Dec 2020	268	298	257	315	295
disqualified drivers detected driving	1735	7406	Jun 2019	7938	7878	7777		
notices issued for 3 rd or subsequent drunk/drugged driving offences	998	4396	Jun 2019	4242	4355	4482		
disqualified or unlicensed drivers involved in fatal/serious crash	85	263	Dec 2020	241	245	231	276	263
Light vehicles								
% of new vehicles with 5-star safety rating	62%	65%	Dec 2020	68%	69%	71%	68%	65%
% of vehicles in fatal/serious crashes with non-current WOFs ⁽²⁾	18%	17%	Dec 2020	14%	18%	17%	18%	17%
% of fatal/serious injuries in crashes with contributing vehicle faults	1%	3%	Dec 2020	5%	4%	4%	4%	3%
average (median) age of light vehicle fleet (years)	-	14.2	Mar 2019	14.1	14.0	14.2		
Fatigue and distraction								
fatal or serious injuries in fatigue/distraction crashes	76	266	Dec 2020	432	472	349	318	266
fatal/serious injuries in crashes with contributing driver fatigue	38	130	Dec 2020	206	192	168	147	130
fatal/serious injuries in crashes with contributing driver distraction	39	141	Dec 2020	245	284	182	175	141
Heavy vehicles								
fatal/serious crashes involving HMVs	65	215	Dec 2020	248	323	271	266	215
fatal/serious injuries in HMV crashes	85	260	Dec 2020	321	404	334	331	260
% of fatal/serious HMV crashes where HMV was primary contributor	60%	53%	Dec 2020	44%	47%	53%	57%	53%
% of HMV drivers exceeding 90 km/h speed limit	-	5	2015	-	-	-		
Walking and cycling								
pedestrians and cyclists hospitalised >1d, per 100,000 population, per year	7.7	7.3	Dec 2020	8.0	8.8	10.4	8.7	7.3
pedestrians hospitalised >1 day, per 100,000 population, per year	5.1	5.0	Dec 2020	5.9	6.4	7.2	5.9	5.0
pedestrians and cyclists killed, per 100,000 population, per year	0.9	0.8	Dec 2020	0.7	1.2	0.9	0.9	0.8
fatal or serious injuries to school age (5-17) cyclists and pedestrians	21	55	Dec 2020	65	67	73	65	55
cyclists killed or hospitalised >1 day	35	154	Dec 2020	108	136	160	154	154
% cyclists wearing helmets	-	94%	2015	-	-	-		
Older road users								
persons 75+ yrs killed or seriously injured in crashes, per 100,000 75+ yr olds, per year	37	42	Dec 2020	50	59	65	54	42
persons 75+ years killed in road crashes	6	37	Dec 2020	27	37	42	33	37
persons 75+ years hospitalised >1d	65	319	Dec 2020	377	382	386	426	319
persons 75+ years, ACC claims, per 100,000 75+ year olds, per year	56	97	Mar 2020	81	82	86	97	
Restraints								
vehicle occupant deaths where restraints not worn	19	76	Dec 2020	100	92	84	85	76
% of children (5-9 years) in booster seats or child restraints	-	26%	2015	-	-	-		
% front seat adult vehicle occupants restrained	-	97%	2016	97%	-	-		
% child (0-4 years) vehicle occupants restrained	-	93%	2016	93%	-	-		
% drivers think highly likely to be stopped for non-compliance	-	40%	2016	40%	-	-		
Overseas-licensed drivers involved in fatal/serious crash	3	93	Dec 2020	142	151	122	90	41

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

(2) The national headline measure is not available at regional/district level; this measure is used instead for local government region and police district charts

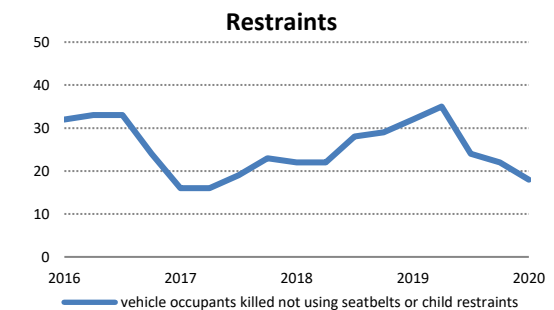
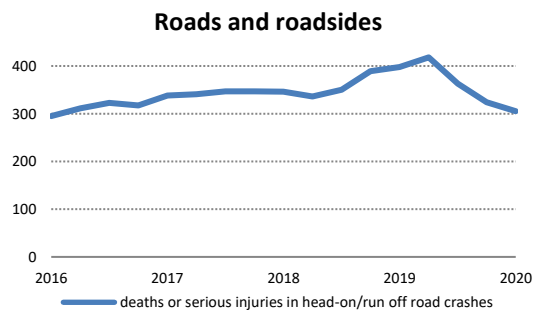
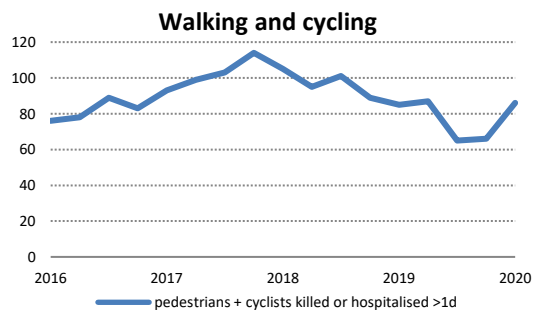
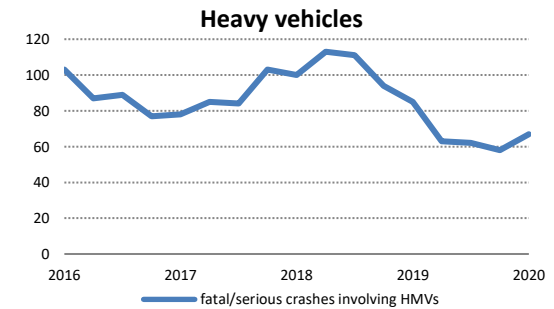
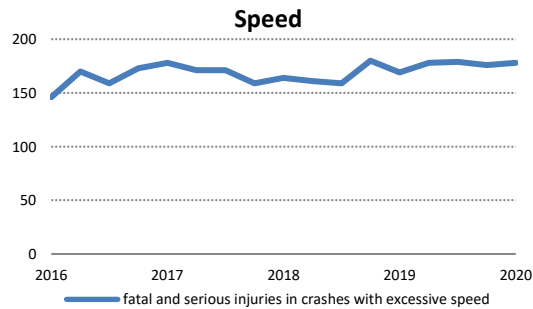
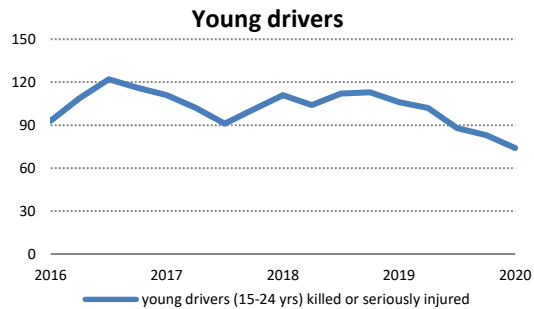
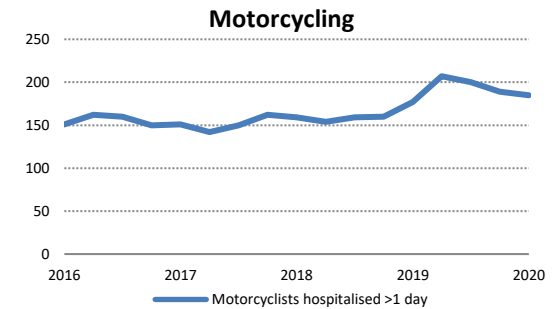
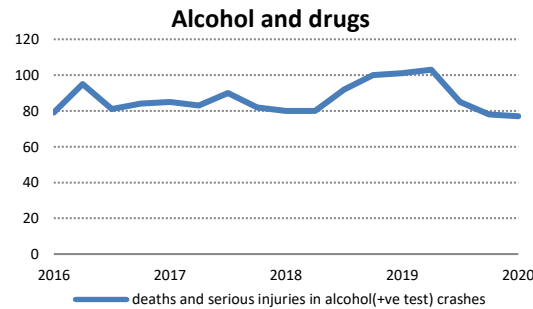
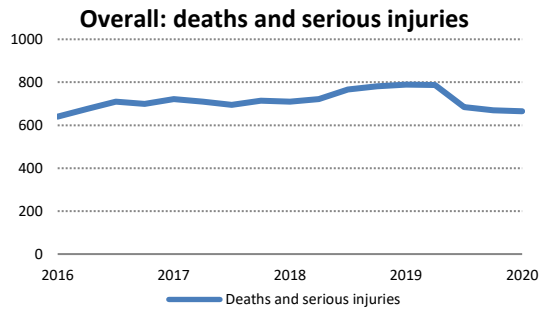
REGIONAL OUTCOME TRENDS, UPPER NORTH ISLAND (12 month rolling figures)

Road safety outcome measures for the four Transport Agency regional groupings are provided for the last five years in the following charts, up to the most recently available quarter, for eight of the *Safer Journeys* high and medium areas of concern. The measures are a subset of the national outcome measures presented earlier in this report (pages 4 - 7). Data for the other areas of concern are available in the [regional time series spreadsheet](#) accompanying this report.



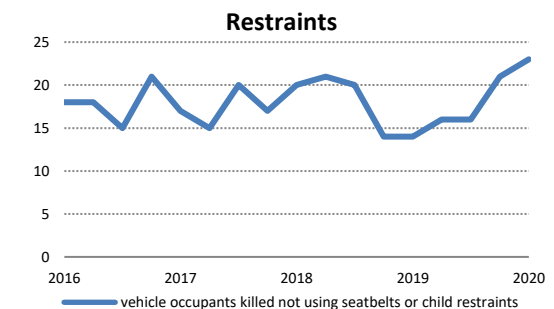
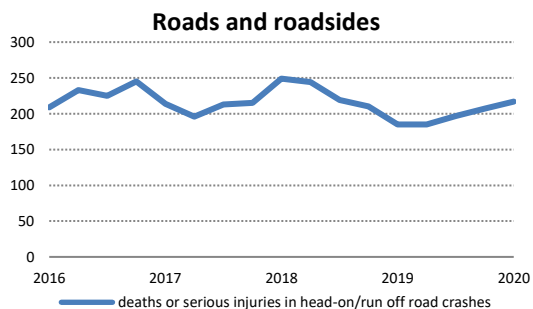
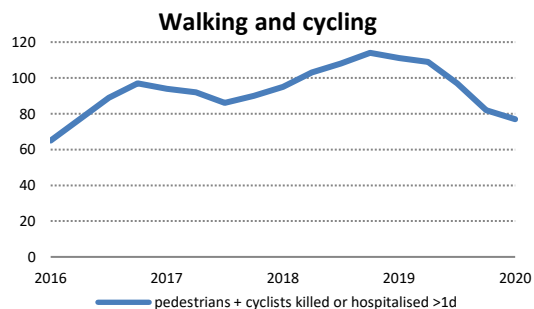
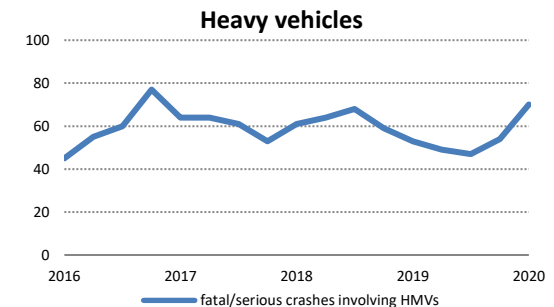
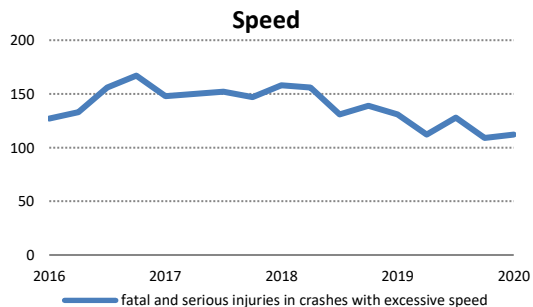
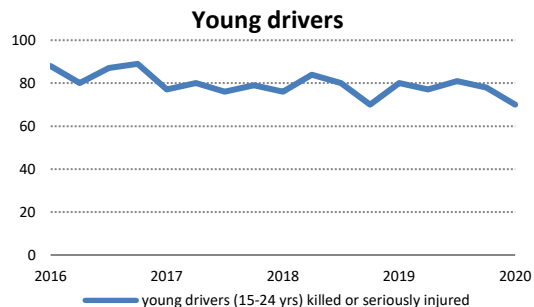
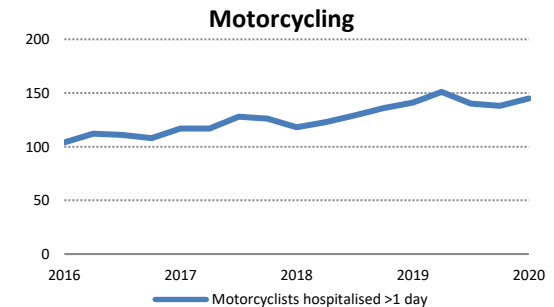
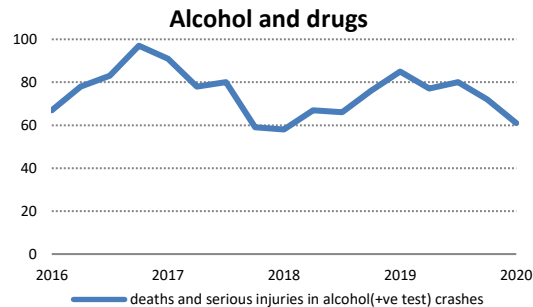
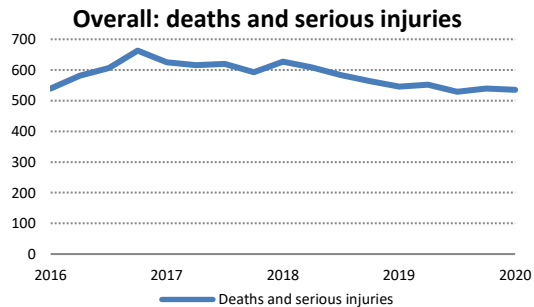
REGIONAL OUTCOME TRENDS, CENTRAL NORTH ISLAND (12 month rolling figures)

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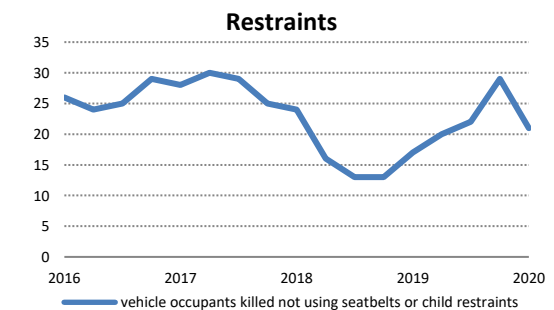
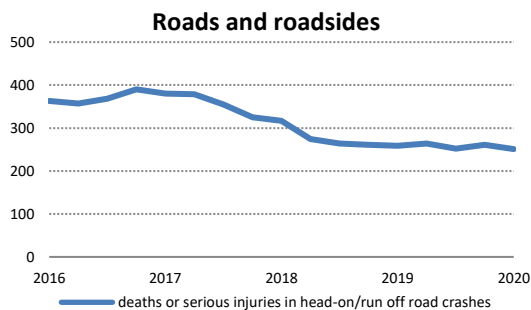
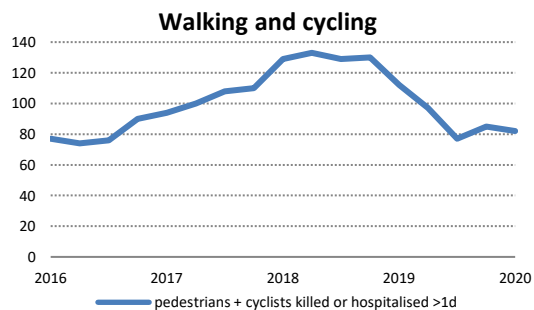
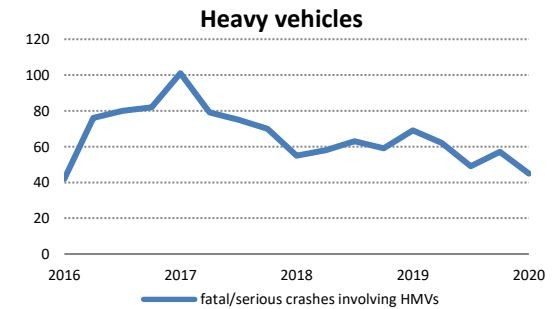
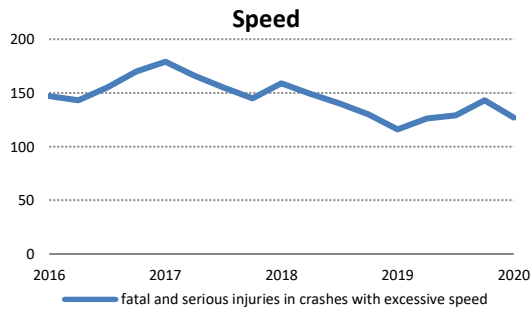
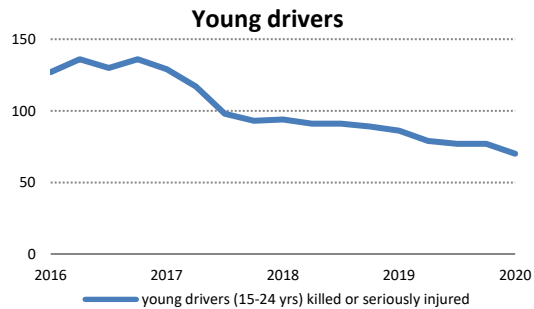
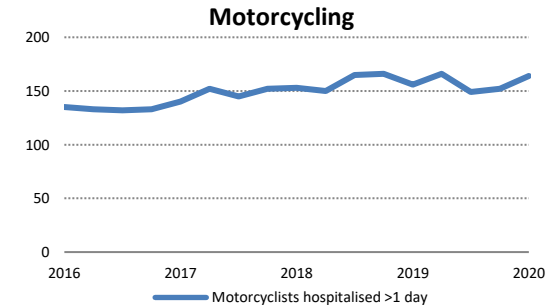
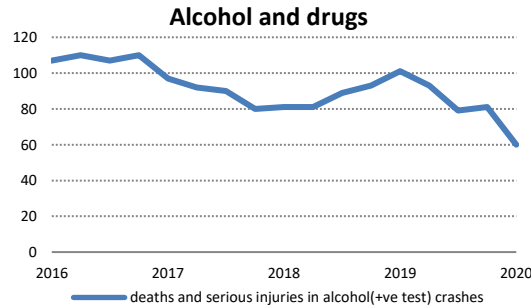
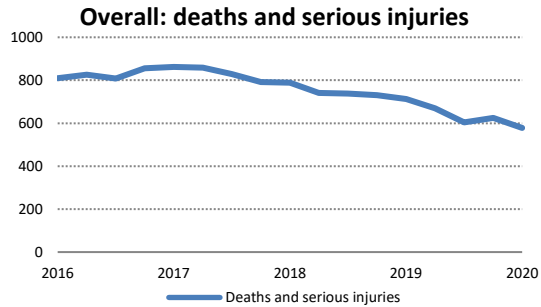
REGIONAL OUTCOME TRENDS, LOWER NORTH ISLAND (12 month rolling figures)

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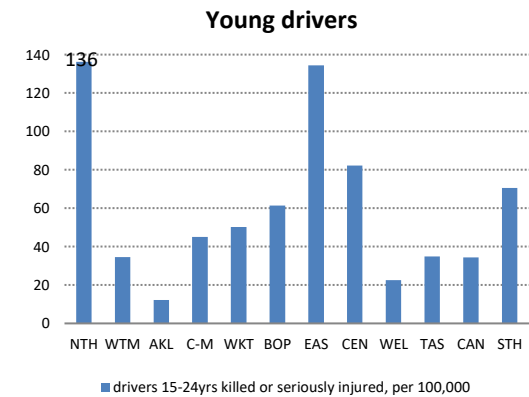
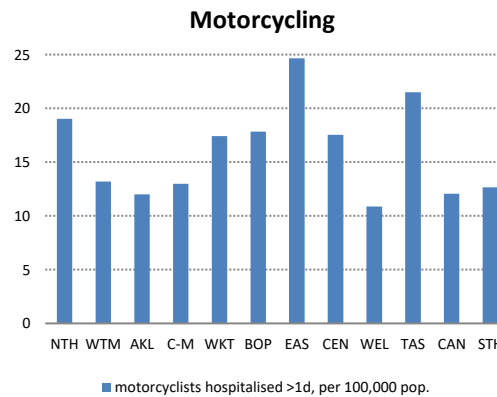
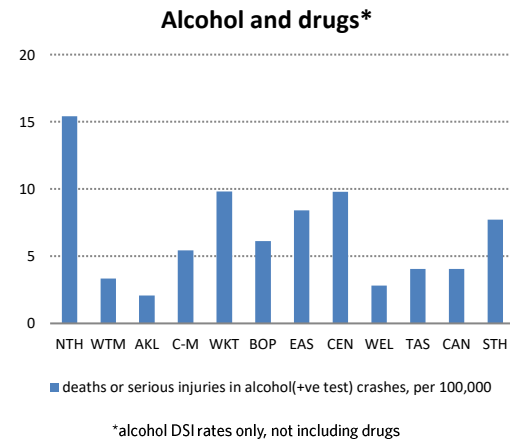
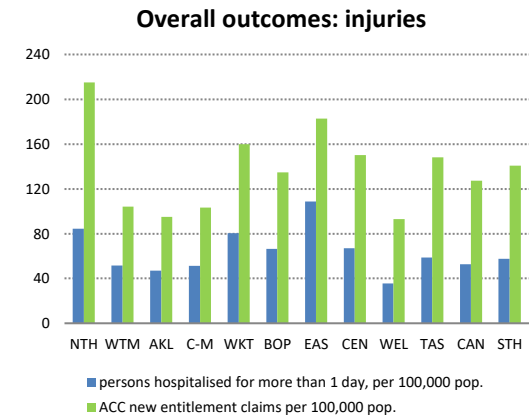
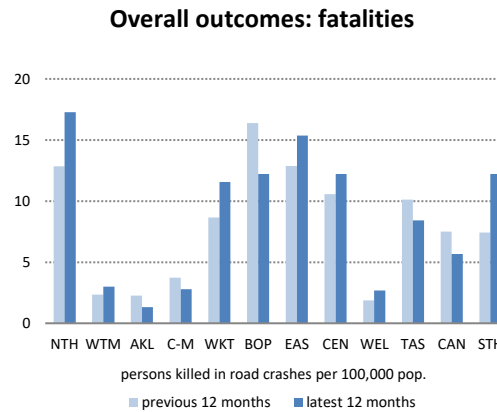
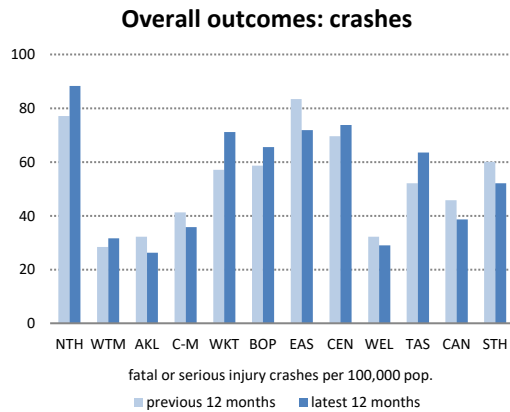
REGIONAL OUTCOME TRENDS, SOUTH ISLAND (12 month rolling figures)

Road safety outcome measures for the four Transport Agency regional groupings are provided for the last five years in the following charts, up to the most recently available quarter, for eight of the *Safer Journeys* high and medium areas of concern. The measures are a subset of the national outcome measures presented earlier in this report (pages 4 - 7). Data for the other areas of concern are available in the [regional time series spreadsheet](#) accompanying this report.

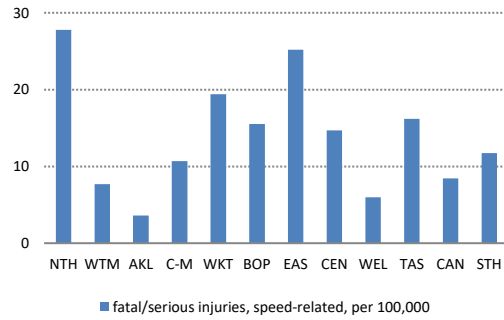


COMPARISON OF ROAD SAFETY OUTCOMES BY POLICE DISTRICT

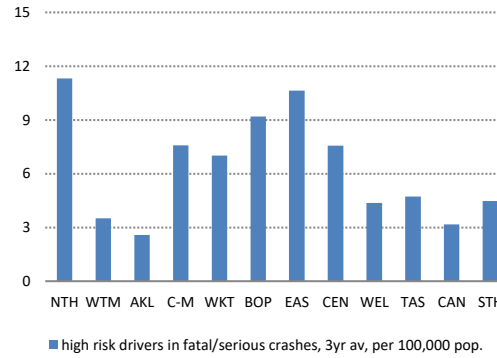
The following charts and tables show headline outcome measures for the 12 months to the end of the latest available quarter. Alternative measures are shown if the national measure is not available at a regional or Police district level. In cases where the numbers involved are too small to give meaningful single year comparisons, some measures are shown on an averaged three-yearly basis.



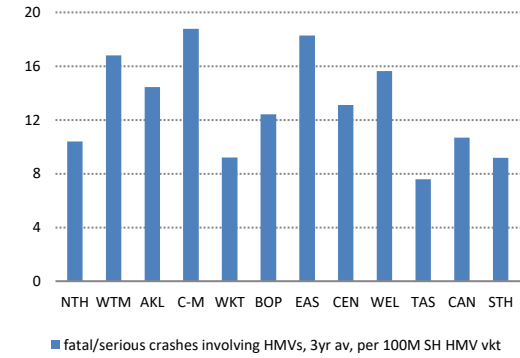
Speed



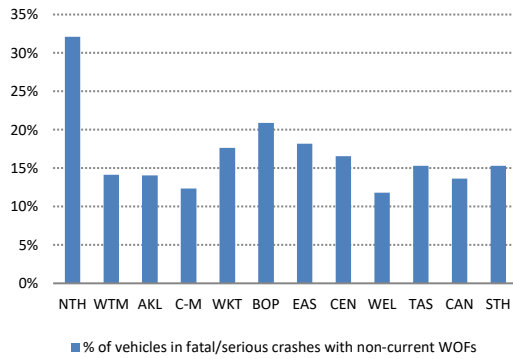
High risk drivers



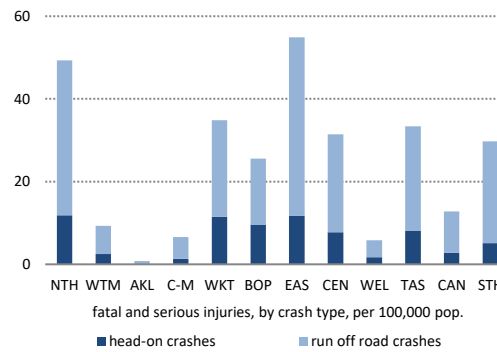
Heavy vehicles



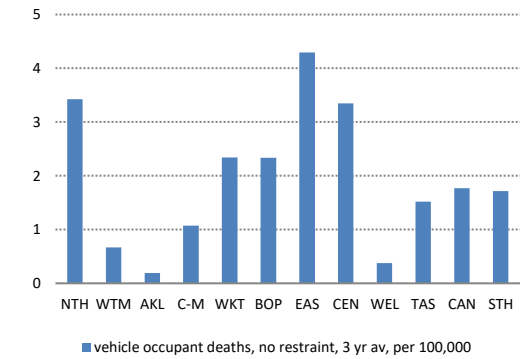
Light vehicles



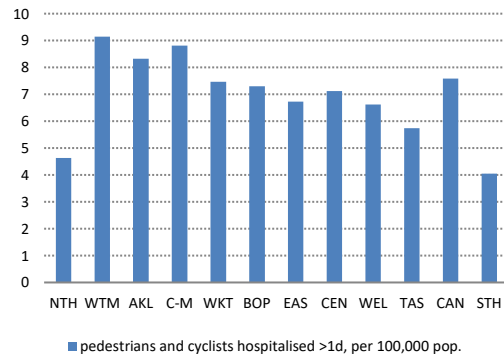
Roads and roadsides



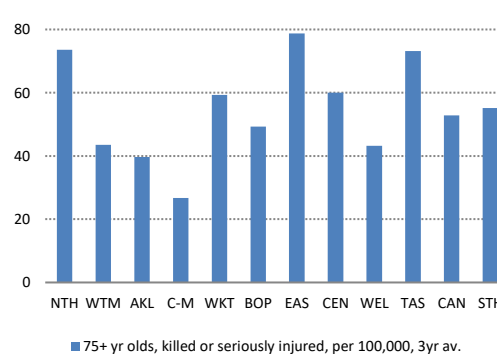
Restraints



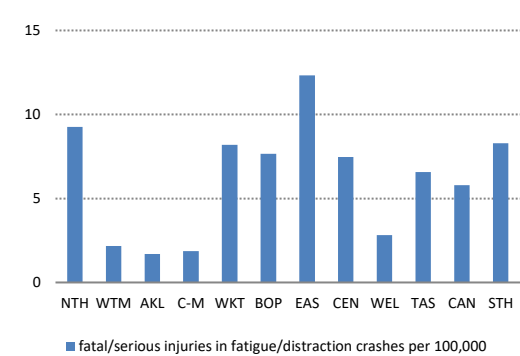
Walking and cycling



Older road users

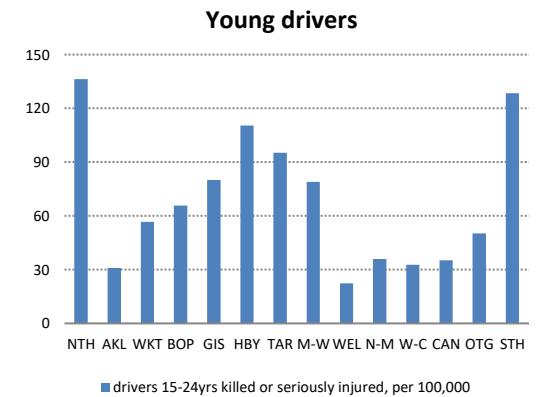
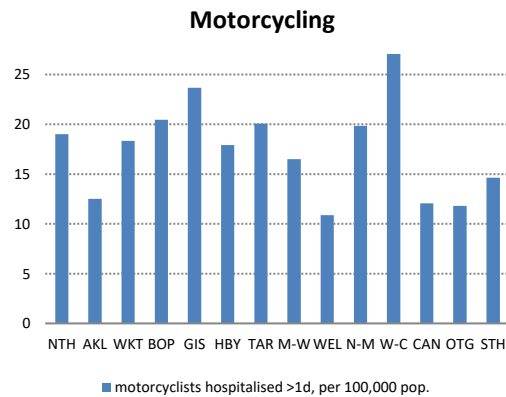
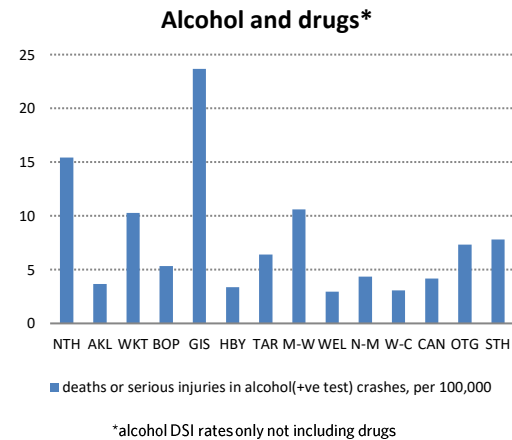
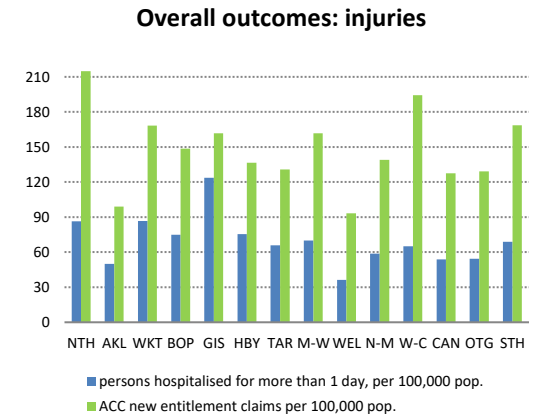
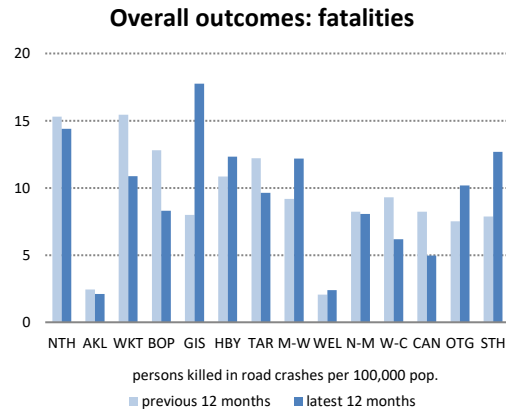
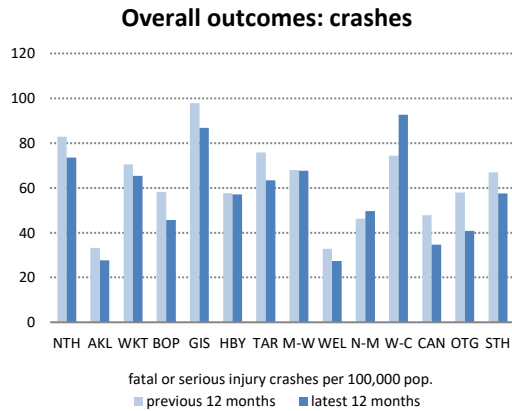


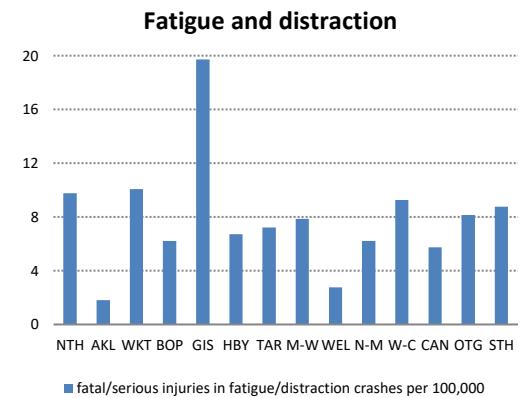
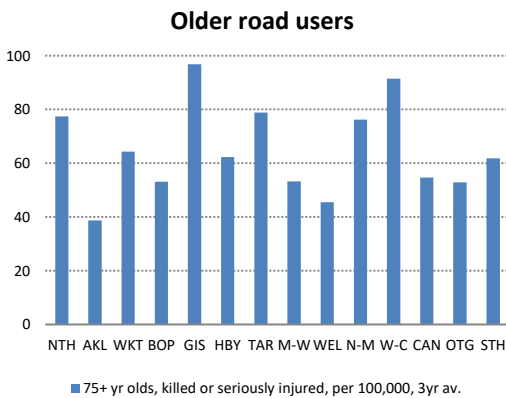
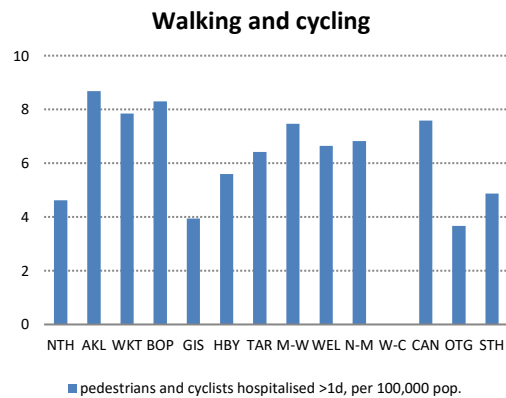
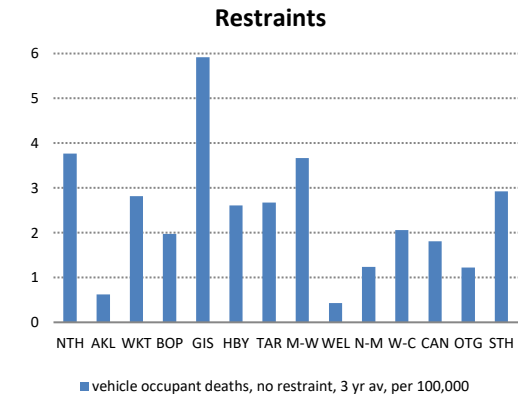
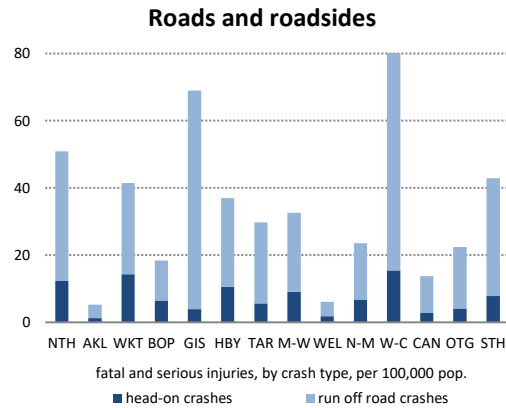
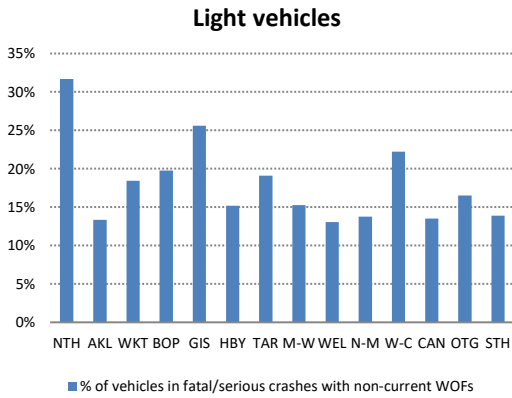
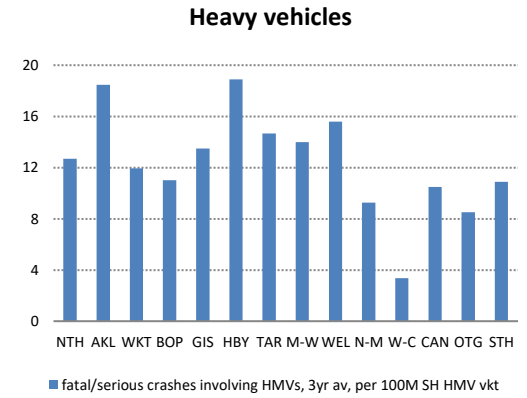
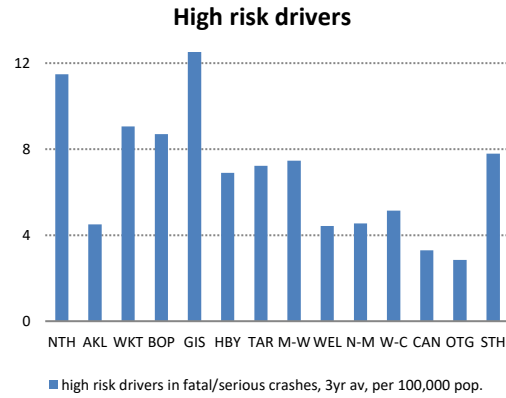
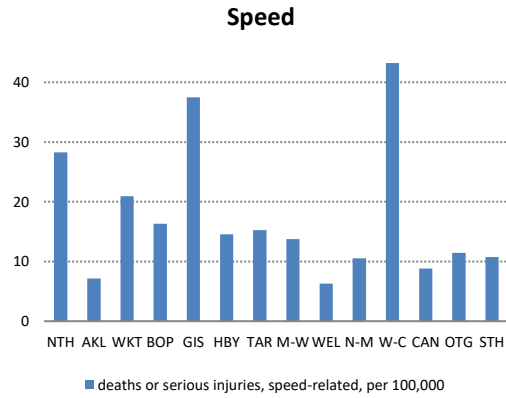
Fatigue and distraction



COMPARISON OF ROAD SAFETY OUTCOMES BY LOCAL GOVERNMENT REGION

The following charts and tables show headline outcome measures for the 12 months to the end of the latest available quarter. Some alternative measures are shown if the national measure is not available at a regional or police district level. In cases where the numbers involved are too small to give meaningful single year comparisons, some measures are shown on an averaged three-yearly basis.





POLICE DISTRICT ROAD SAFETY OUTCOMES		NTH	WTM	AKL	C-M	Total Auck	WKT	BOP	EAS	CEN	WEL	TAS	CAN	STH	NZ
Overall	fatal or serious injury crashes per 100,000 popn.	71	30	22	33	29	58	48	81	67	26	57	34	46	42
	persons killed in road crashes, per 100,000 popn.	14	3	1	3	2	9	9	17	11	2	8	5	11	6.3
	persons hospitalised more than 1 day (>1d) , per 100000 popn.	84	52	47	51	50	81	66	109	67	36	59	53	57	58
	ACC new entitlement claims, per 100000 popn.	215	104	95	103	101	160	135	183	150	93	148	127	141	131
Alcohol*	deaths or serious injuries in alcohol(+ve test) crashes, per 100,000	15	3	2	5	4	10	6	8	10	3	4	4	8	6
Youth	young driver fatal/serious injuries, per 100,000 15-24 year olds	136	35	12	45	31	50	61	134	82	23	35	34	70	48
Speed	deaths + serious injuries in speed related crashes, per 100,000 popn.	28	8	4	11	7	19	16	25	15	6	16	8	12	12
High risk	high risk drivers in fatal/serious crash, 3-year average per 100,000 popn.	11	4	3	8	5	7	9	11	8	4	5	3	4	6
Roads and roadsides	deaths + serious injuries in head-on crashes, per 100,000 popn.	12	3	0	1	1	11	10	12	8	2	8	3	5	5
	deaths + serious injuries, run off road crashes, per 100,000 popn.	38	7	1	5	4	23	16	43	24	4	25	10	25	14
	deaths + serious injuries, intersection crashes, per 100,000 popn.	9	10	12	16	13	23	11	16	19	12	13	23	23	16
	deaths + serious injuries in ped/cyclist crashes, per 100,000 popn.	9	7	11	9	9	10	7	12	8	12	14	9	13	10
Motorcycles	motorcyclists hospitalised >1d, per 100,000 popn.	19	13	12	13	13	17	18	25	18	11	22	12	13	15
Light vehicles	% of vehicles in fatal/serious crashes without current WoFs	32%	14%	14%	12%	13%	18%	21%	18%	17%	12%	15%	14%	15%	17%
Fatigue	fatal/serious injuries in fatigue/distraction crashes, per 100,000 popn.	9	2	2	2	2	8	8	12	7	3	7	6	8	5
Heavy vehicles	fatal/serious crashes involving HMVs, 3yr avg, per 100m SH HMV vkt	10	17	14	19	17	9	12	18	13	16	8	11	9	12
Walk/cycle	pedestrians and cyclists hospitalised >1d, per 100,000 popn.	5	9	8	9	9	7	7	7	7	7	6	8	4	7
Older users	persons 75+ years killed or seriously injured, per 100,000, 3yr avg.	74	43	40	27	37	59	49	79	60	43	73	53	55	52
Restraints	occupant deaths, restraints not worn, last 3 yrs, per 100,000 popn.	3.4	0.7	0.2	1.1	0.7	2.3	2.3	4.3	3.3	0.4	1.5	1.8	1.7	1.6

REGIONAL 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 popn.	73	28	65	46	87	57	63	68	27	50	93	35	41	58
	persons killed in road crashes, per 100,000 popn.	14	2	11	8	18	12	10	12	2	8	6	5	10	13
	persons hospitalised more than 1 day (>1d) , per 100,000 popn.	86	50	87	75	124	75	66	70	36	59	65	54	54	69
	ACC new entitlement claims, per 100,000 popn.	215	99	168	149	162	137	131	162	93	139	194	127	129	169
Alcohol*	deaths or serious injuries in alcohol(+ve test) crashes, per 100,000	15	4	10	5	24	3	6	11	3	4	3	4	7	8
Youth	young driver fatal/serious injuries, per 100,000 15-24 year olds	136	31	57	66	80	110	95	79	22	36	33	35	50	128
Speed	deaths + serious injuries in speed related crashes, per 100,000 popn.	28	7	21	16	37	15	15	14	6	11	43	9	11	11
High risk	high risk drivers in fatal/serious crash, 3yr avg, per 100,000 popn.	11	5	9	9	13	7	7	7	4	5	5	3	3	8
Roads and roadsides	deaths + serious injuries in head-on crashes, per 100,000 popn.	12	1	14	7	4	11	6	9	2	7	15	3	4	8
	deaths + serious injuries, run off road crashes, per 100,000 popn.	39	4	27	12	65	26	24	24	4	17	65	11	18	35
	deaths + serious injuries, intersection crashes, per 100,000 popn.	9	12	24	10	16	12	17	19	12	14	12	23	23	25
	deaths + serious injuries in ped/cyclist crashes, per 100,000 popn.	9	9	11	7	18	7	10	7	13	15	9	9	14	10
Motorcycles	motorcyclists hospitalised >1d, per 100,000 popn.	19	13	18	20	24	18	20	17	11	20	31	12	12	15
Light vehicles	% of vehicles in fatal/serious crashes without current WoFs	32%	13%	18%	20%	26%	15%	19%	15%	13%	14%	22%	14%	17%	14%
Fatigue	fatal/serious injuries in fatigue/distraction crashes, per 100,000 popn.	10	2	10	6	20	7	7	8	3	6	9	6	8	9
Heavy vehicles	fatal/serious crashes involving HMVs, 3yr avg, per 100m SH HMV vkt	13	18	12	11	13	19	15	14	16	9	3	10	9	11
Walk/cycle	pedestrians and cyclists hospitalised >1d, per 100,000 popn.	5	9	8	8	4	6	6	7	7	7	0	8	4	5
Older users	persons 75+ years killed or seriously injured, per 100,000, 3yr avg.	77	39	64	53	97	62	79	53	45	76	92	55	53	62
Restraints	occupant deaths, restraints not worn, last 3 yrs, per 100,000 popn.	3.8	0.6	2.8	2.0	5.9	2.6	2.7	3.7	0.4	1.2	2.1	1.8	1.2	2.9

*alcohol DSI rates only, not including drug