

land transport road safety

# crashes comparison of all territorial authorities



graphs

Information for year ended Dec 2006

# **Purpose of this publication**

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

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

This publication is available on the Land Transport NZ website, under *Performance of Land Transport* (<u>http://www.landtransport.govt.nz/performance/index.html</u>)

## **Data/Graphs**

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

# **Enquiries and Feedback**

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

In the first instance we recommend that you contact the manager of performance information at your local Land Transport NZ office:

Northern Region Chris Hewitt 09 969 9801

Midland Region Andrew McKillop 07 958 7856

Central Region Nabin Pradhan 04 931 8928

Southern Region Geoff Holland 03 964 2845

For further information please contact the Performance Measurement team at Land Transport NZ's National office in Wellington; ph 04 894 5400, or email <u>data@nzta.govt.nz</u>

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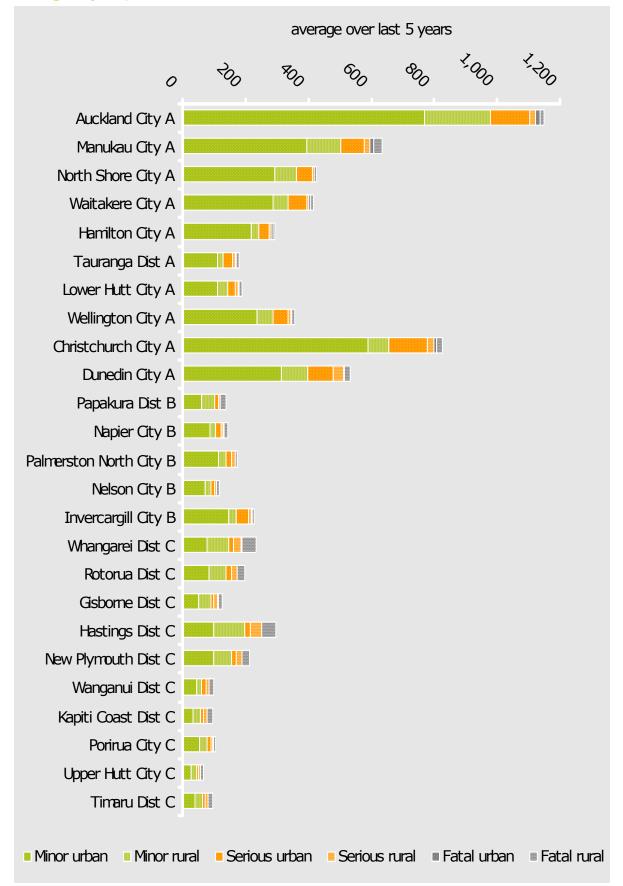
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land transport crashes

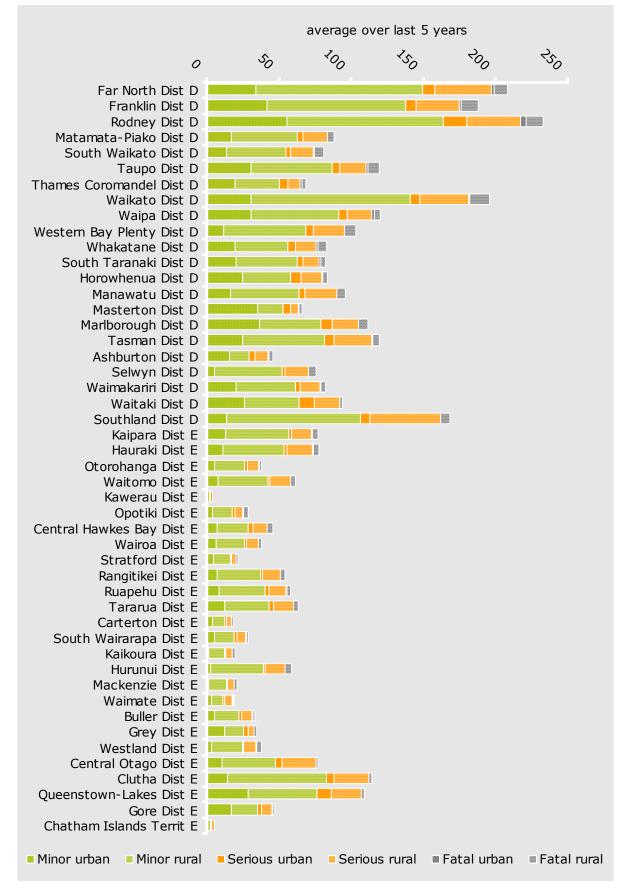
# Glossary

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

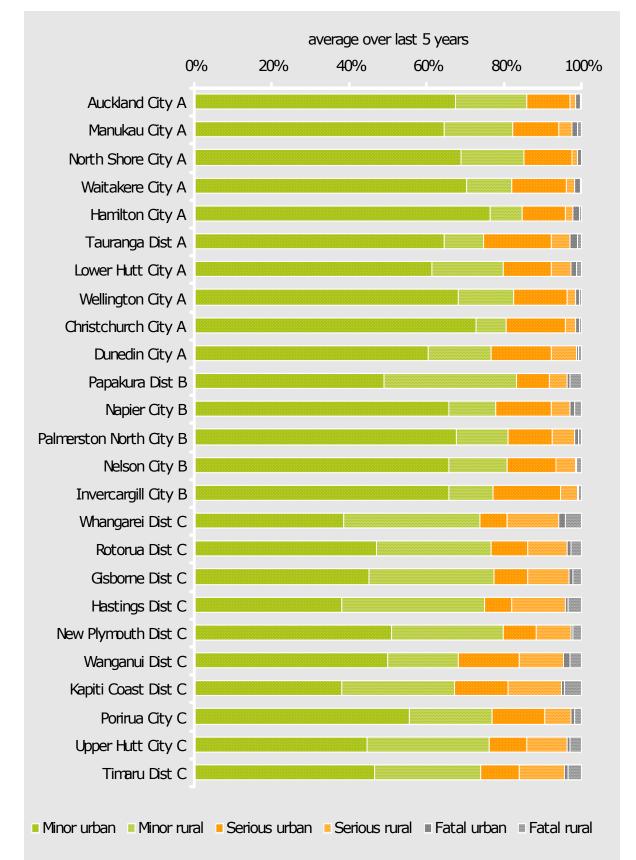
#### Crashes by severity and road type (#) Peer groups A, B & C



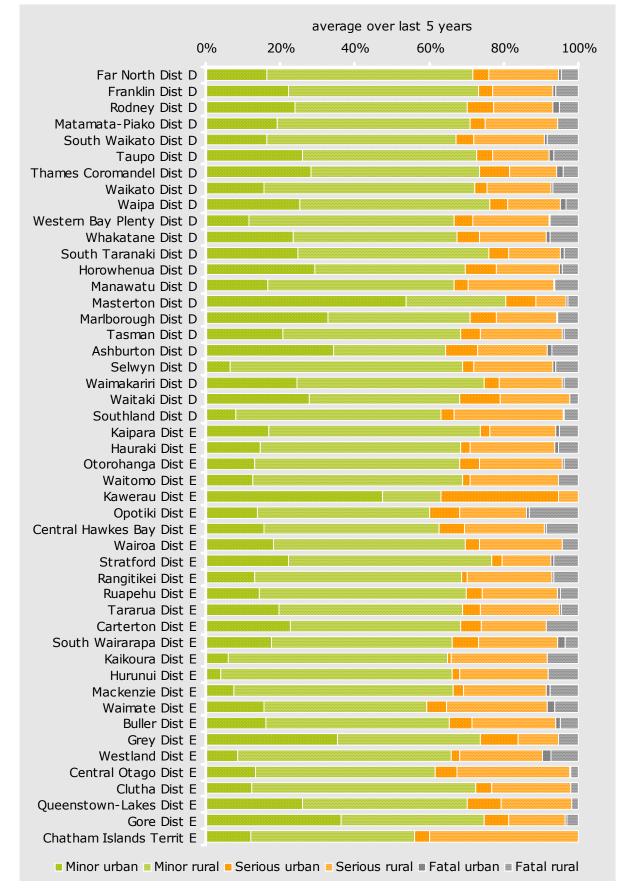
#### Crashes by severity and road type (#) Peer groups D & E



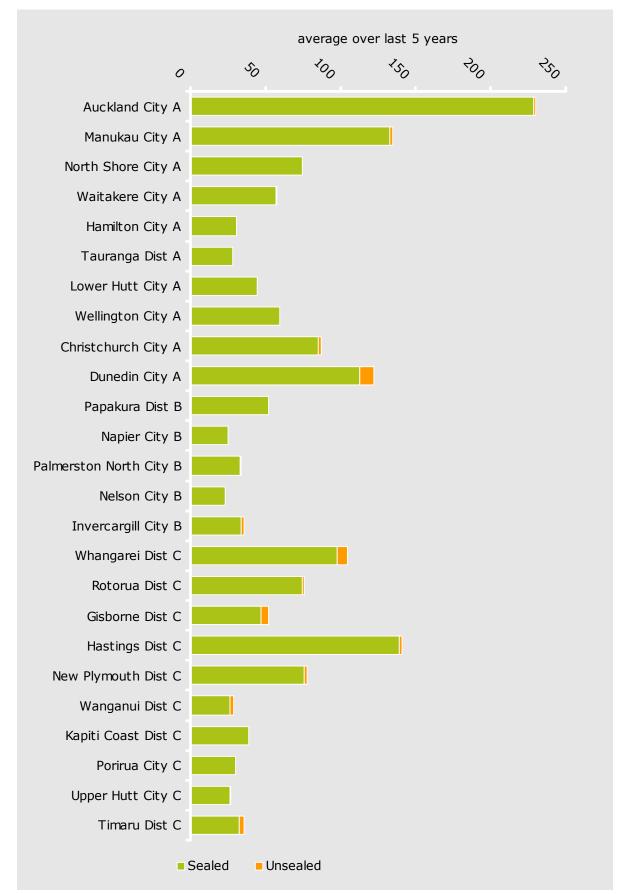
#### Crashes by severity and road type (%) Peer groups A, B & C



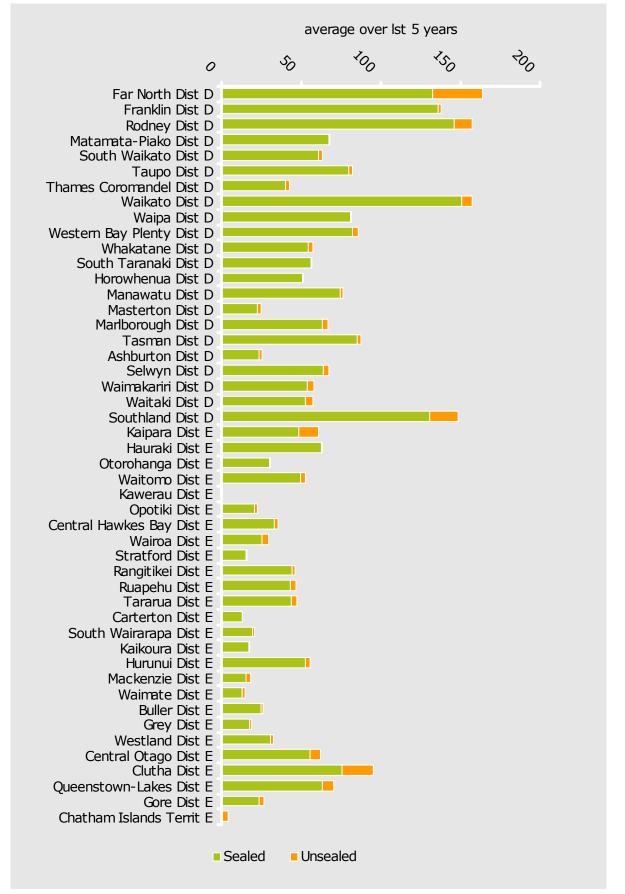
#### Crashes by severity and road type (%) Peer groups D & E



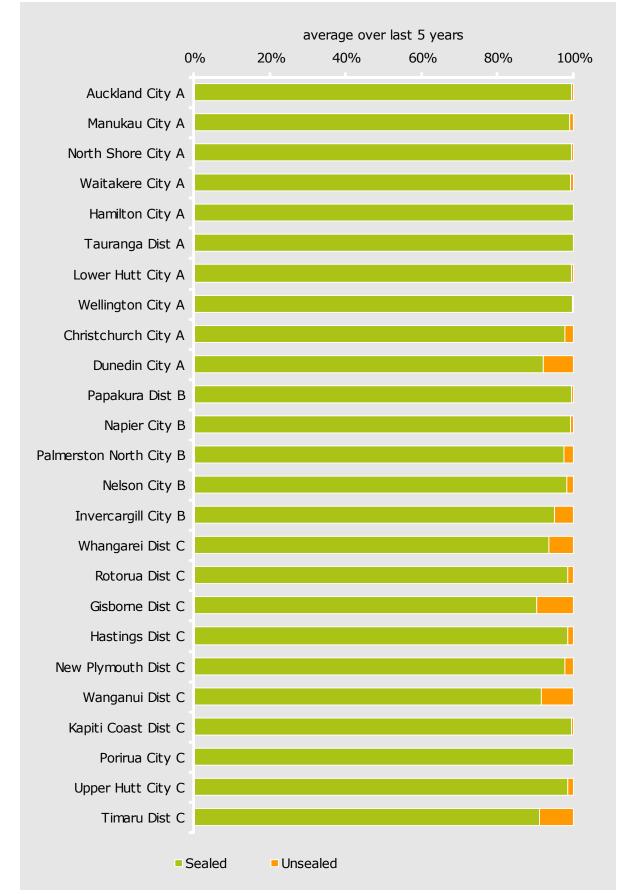
#### Crashes by road surface on rural roads (#) Peer groups A, B & C



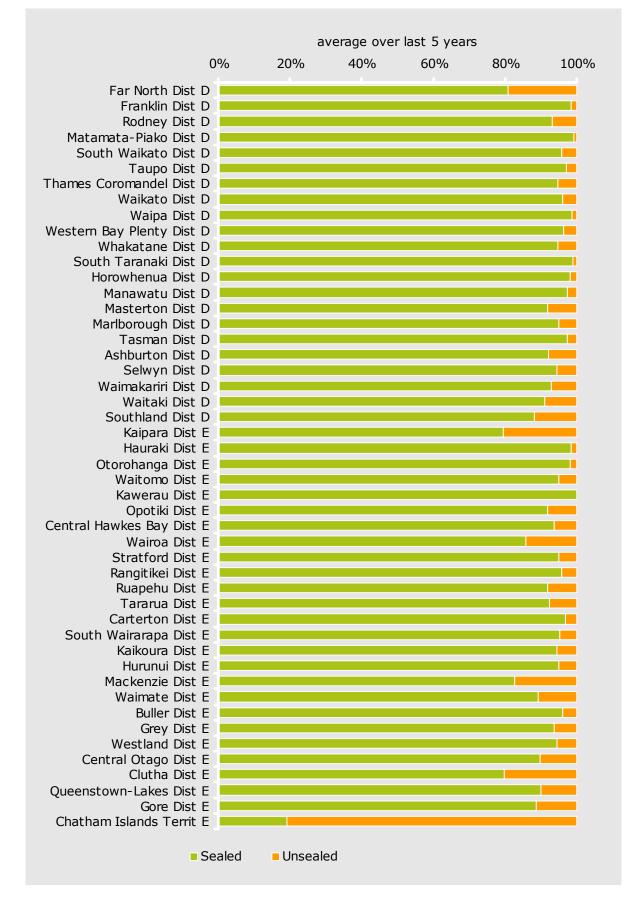
#### Crashes by road surface on rural roads (#) Peer groups D & E



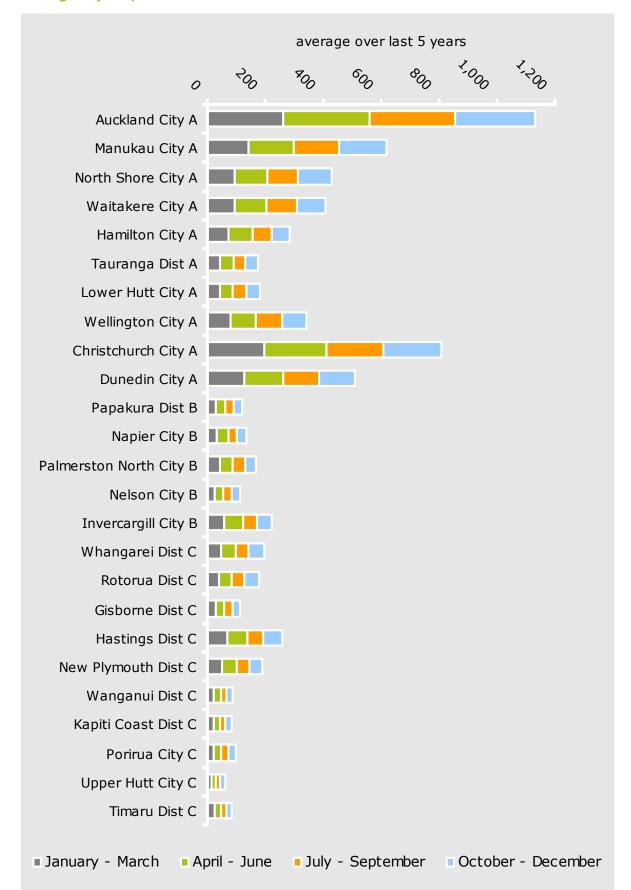
#### **Crashes by road surface on rural roads** % Peer groups A, B & C



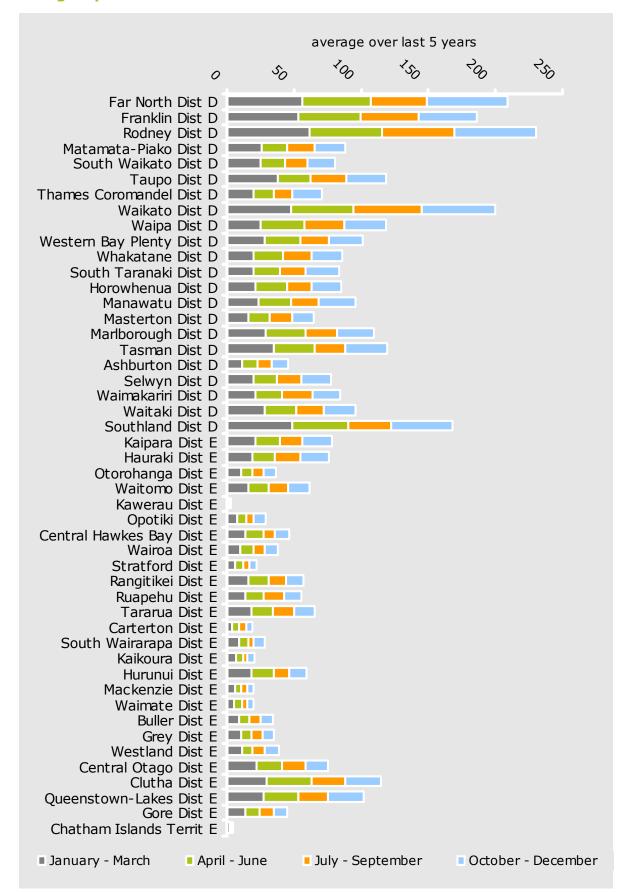
#### Crashes by road surface on rural roads % Peer groups D & E



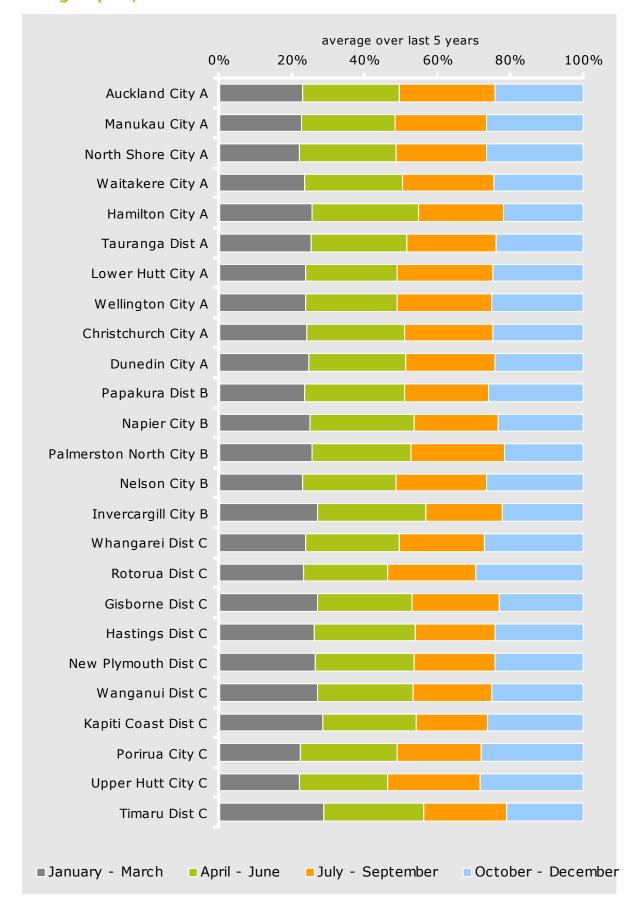
#### Crashes by quarter (#) Peer groups A, B & C



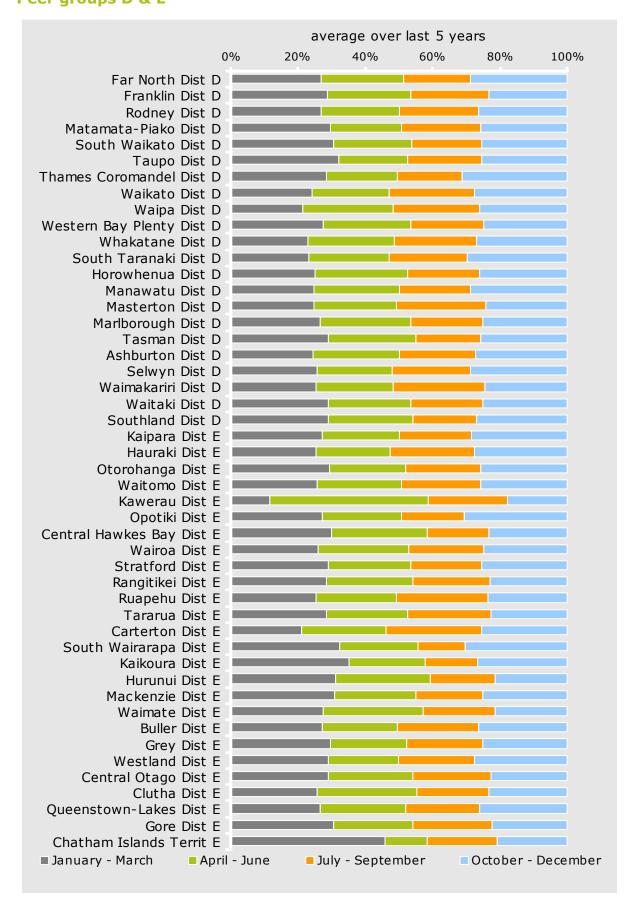
#### Crashes by quarter (#) Peer groups D & E



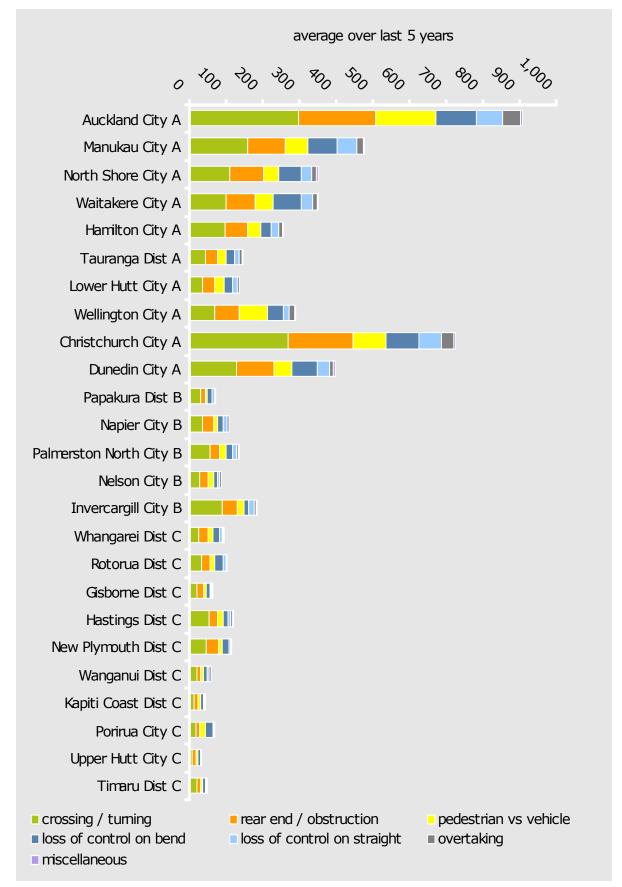
#### Crashes by month % Peer groups A, B & C



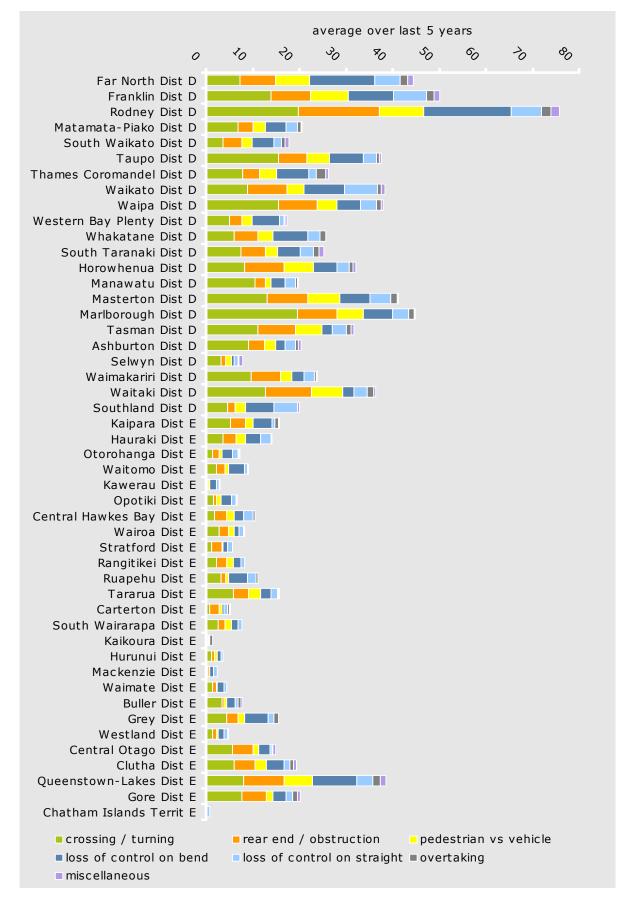
#### Crashes by month % Peer groups D & E



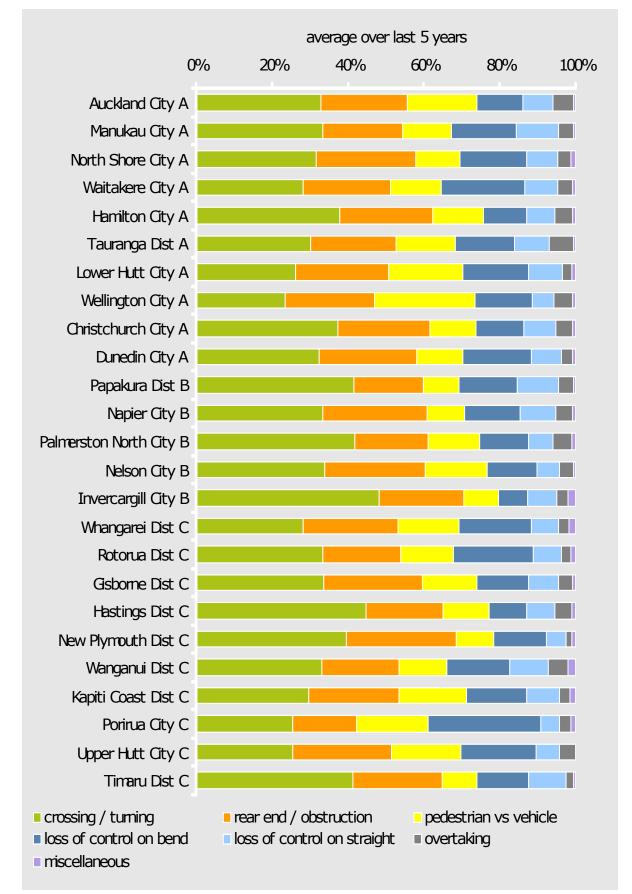
#### Urban crashes in movement groups (#) Peer groups A, B & C



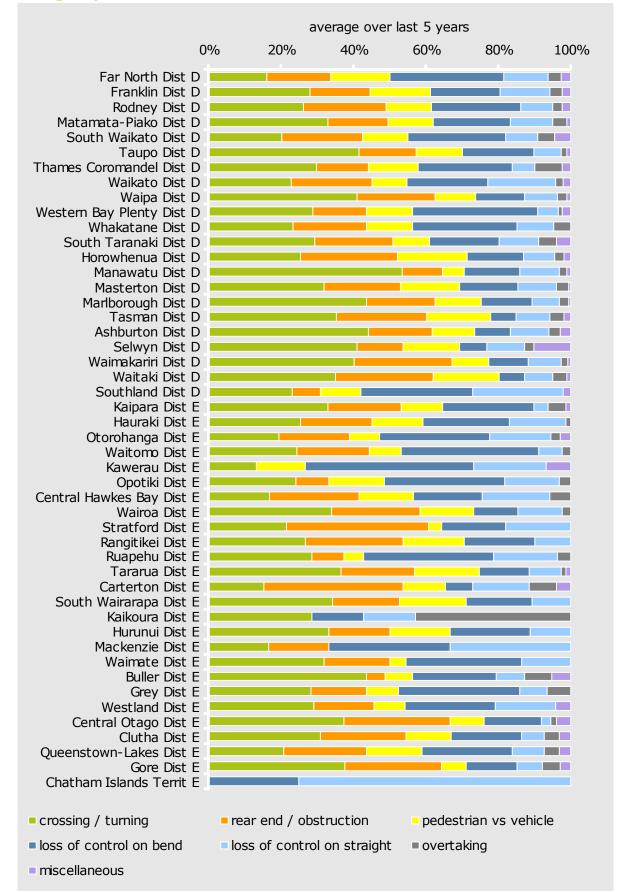
#### Urban crashes in movement groups (#) Peer groups D & E



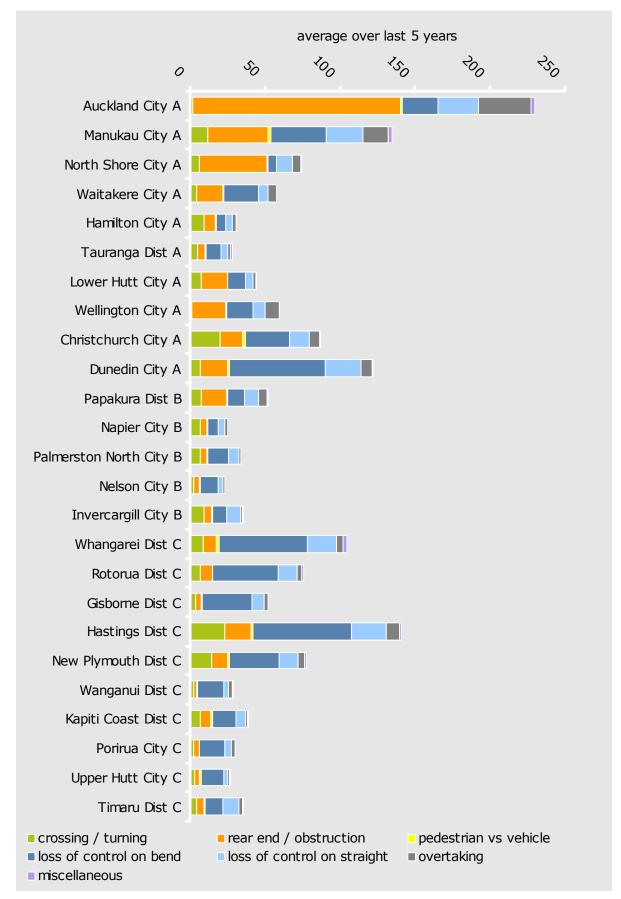
#### Urban crashes in movement groups (%) Peer groups A, B & C



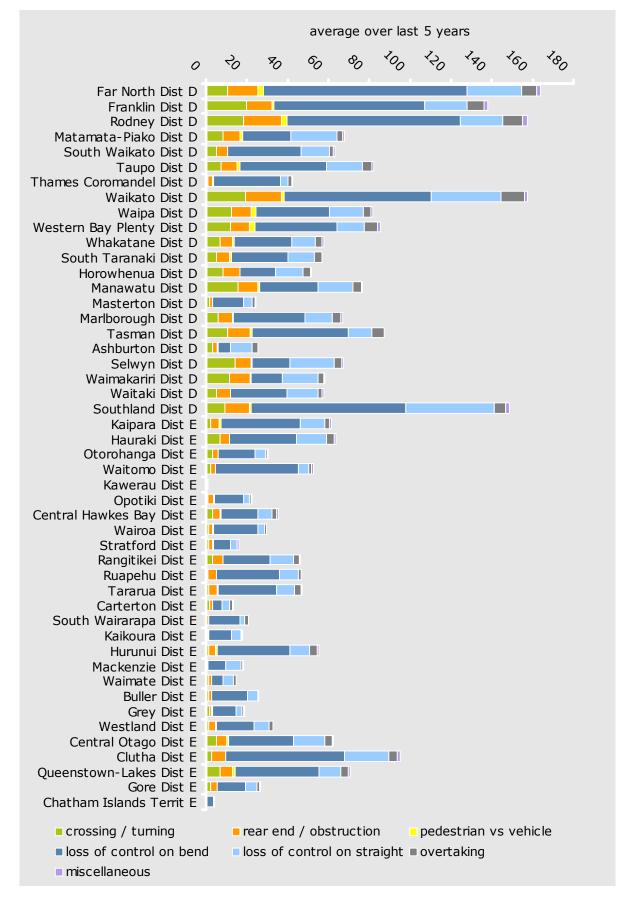
#### Urban crashes in movement groups (%) Peer groups D & E



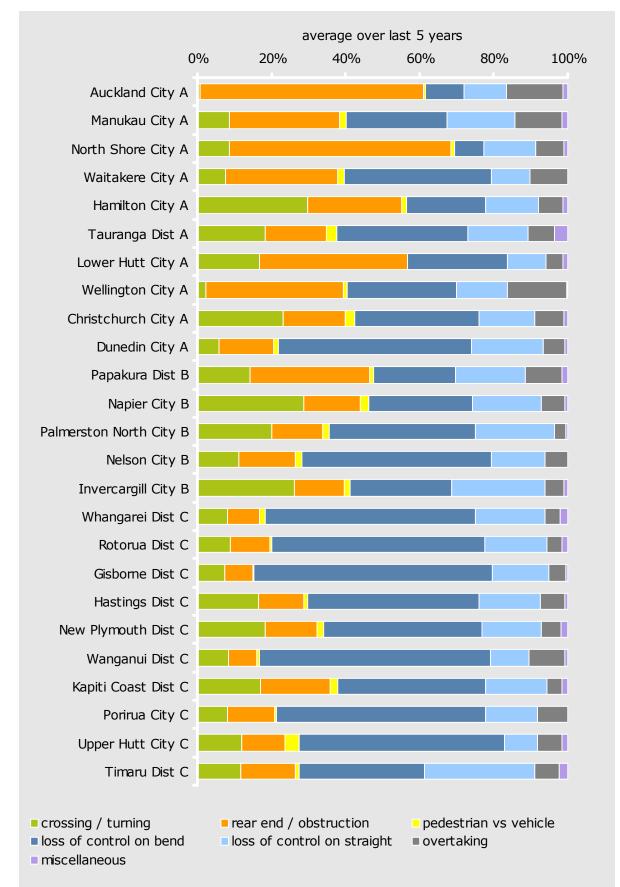
#### Rural crashes in movement groups (#) Peer groups A, B & C



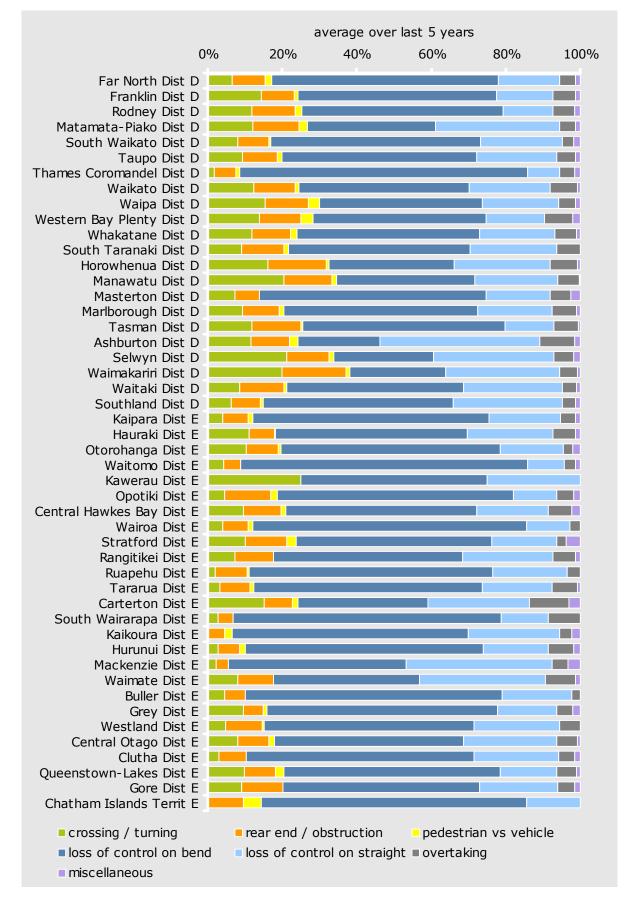
#### Rural crashes in movement groups (#) Peer group D & E



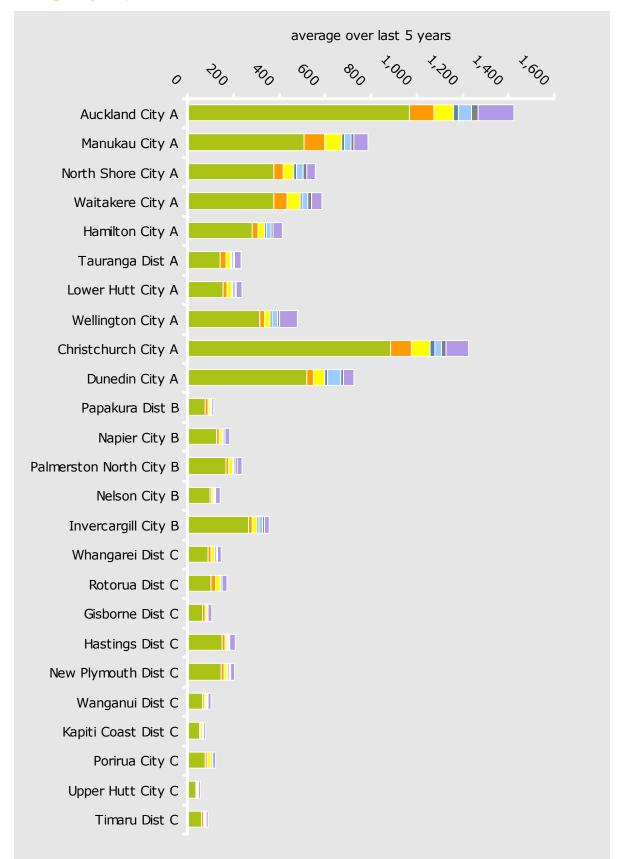
#### Rural crashes in movement groups (%) Peer groups A, B & C



#### Rural crashes in movement groups (%) Peer group D & E

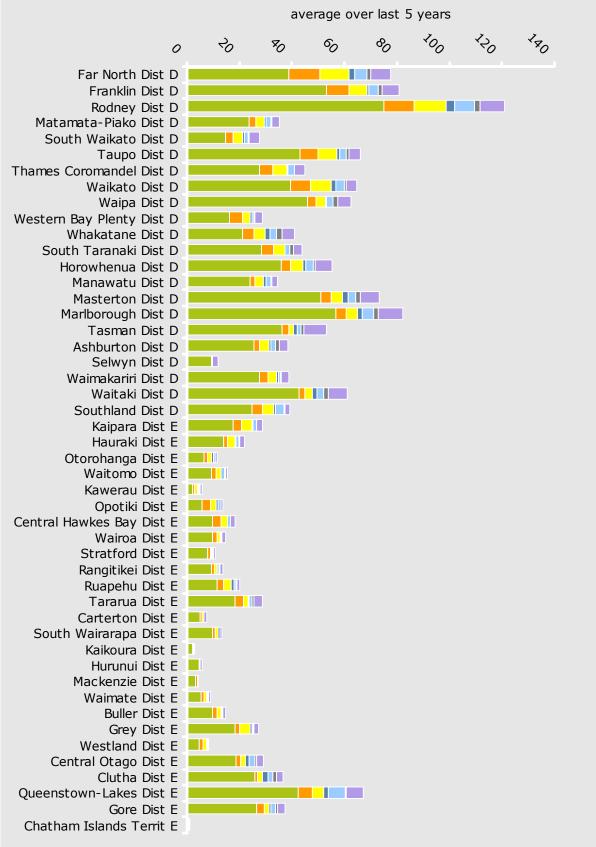


#### Urban crashes by factor group (#) Peer groups A, B & C



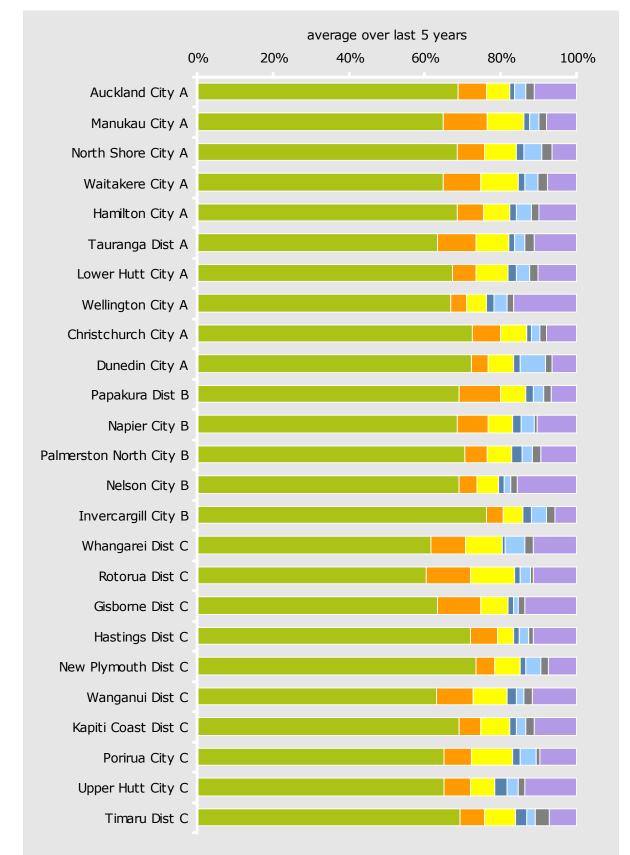
driver error alcohol speed vehicle factors road factors weather other road users

#### Urban crashes by factor group (#) Peer groups D & E



■ driver error ■ alcohol ■ speed ■ vehicle factors ■ road factors ■ weather ■ other road users

#### Urban crashes by factor group (%) Peer groups A, B & C



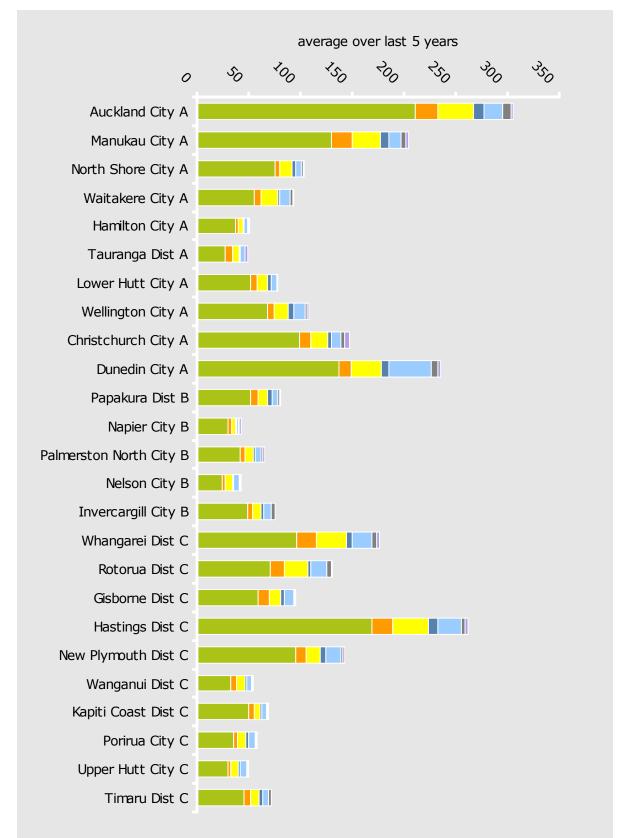
driver error alcohol speed vehicle factors road factors weather other road users

### Urban crashes by factor group (%) Peer groups D & E

	average over last 5 years					
	0%	<i>б</i> 20%	40%	60%	80%	100%
Far North Dist	D					
Franklin Dist	D					
Rodney Dist	D					
Matamata-Piako Dist						
South Waikato Dist	D					
Taupo Dist	D					
Thames Coromandel Dist	D					
Waikato Dist	D					
Waipa Dist	D					
Western Bay Plenty Dist	D					
Whakatane Dist	D					
South Taranaki Dist	D					
Horowhenua Dist						
Manawatu Dist						
Masterton Dist						
Marlborough Dist	D					
Tasman Dist						
Ashburton Dist	D					
Selwyn Dist						
Waimakariri Dist						
Waitaki Dist	D					
Southland Dist						
Kaipara Dist						
Hauraki Dist						
Otorohanga Dist						
Waitomo Dist						
Kawerau Dist						
Opotiki Dist						
Central Hawkes Bay Dist						
Wairoa Dist						
Stratford Dist						
Rangitikei Dist						
Ruapehu Dist						
Tararua Dist						
Carterton Dist						
South Wairarapa Dist						
Kaikoura Dist						
Hurunui Dist						
Mackenzie Dist						
Waimate Dist						
Buller Dist						
Grey Dist Westland Dist						
Westland Dist						
Central Otago Dist						
Clutha Dist						
Queenstown-Lakes Dist						
Gore Dist Chatham Islands Torrit						
Chatham Islands Territ						

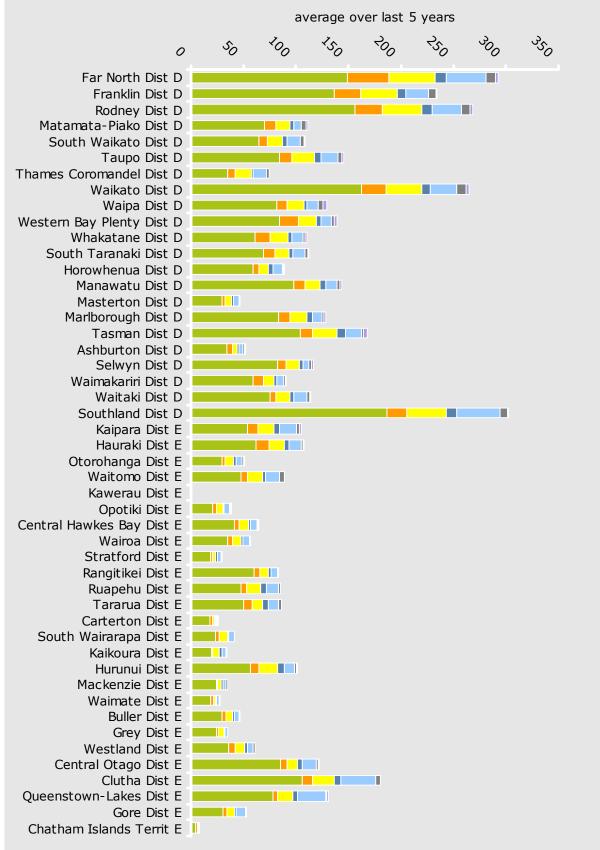
■ driver error ■ alcohol ■ speed ■ vehicle factors ■ road factors ■ weather ■ other road users

#### Rural crashes in factor groups (#) Peer groups A, B & C



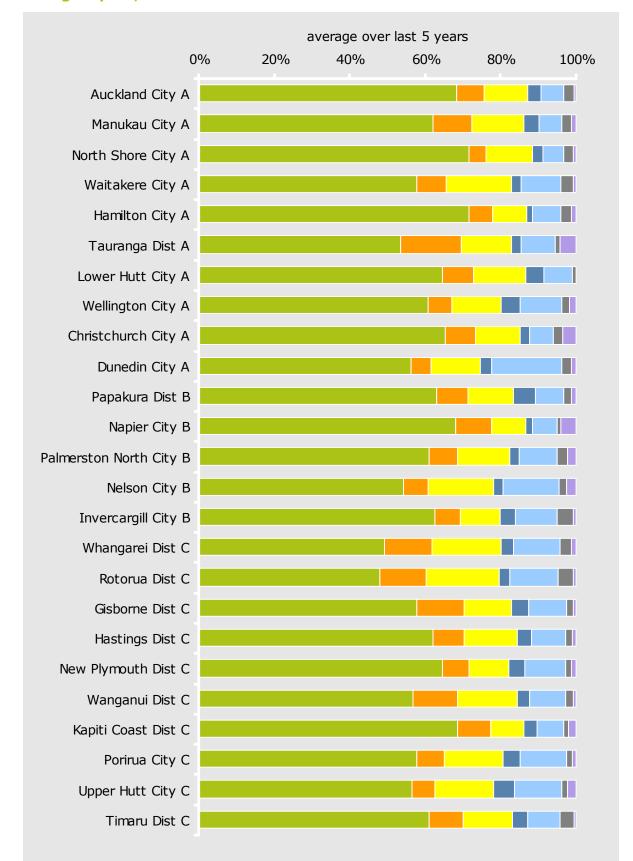
driver error alcohol speed vehicle factors road factors weather other road users

#### Rural crashes in factor groups (#) Peer groups D & E



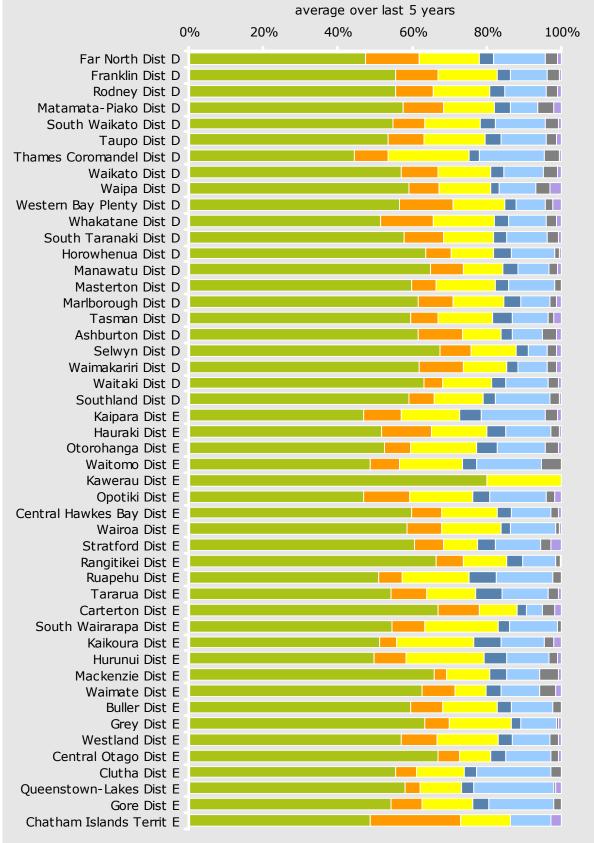
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#### Rural crashes in factor groups (%) Peer groups A, B & C



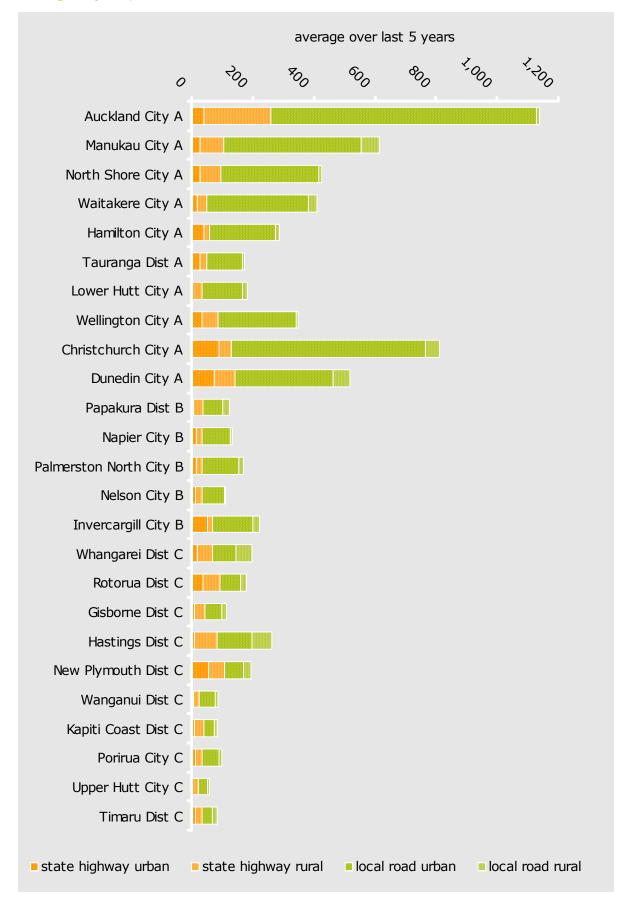
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#### Rural crashes in factor groups (%) Peer groups D & E

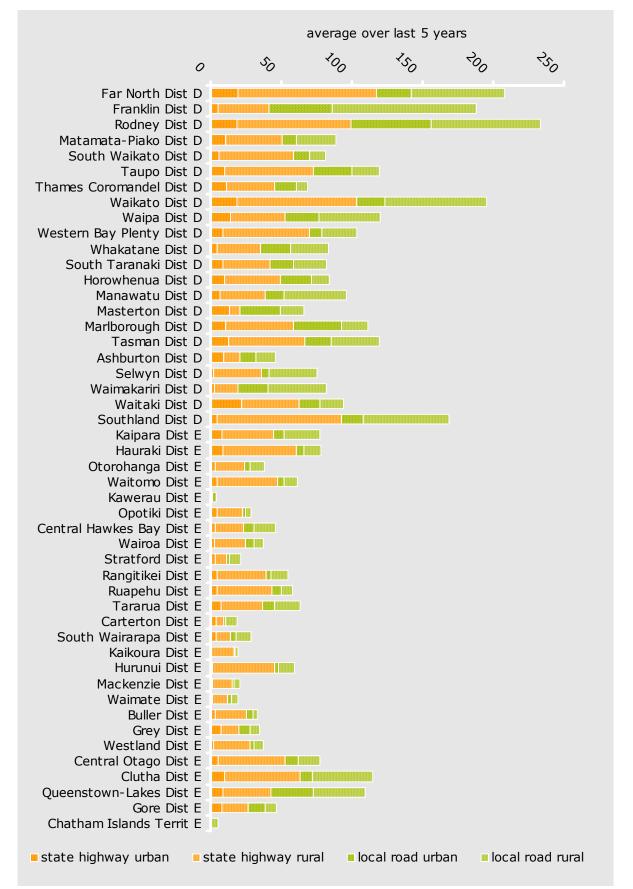


driver error alcohol speed vehicle factors road factors weather other road users

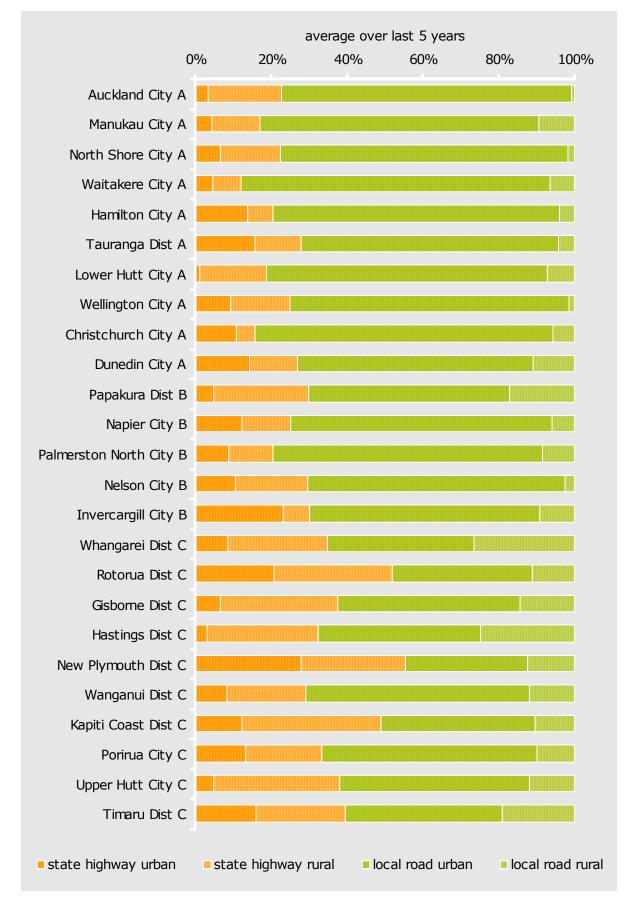
#### Crashes by road type (#) Peer groups A, B & C



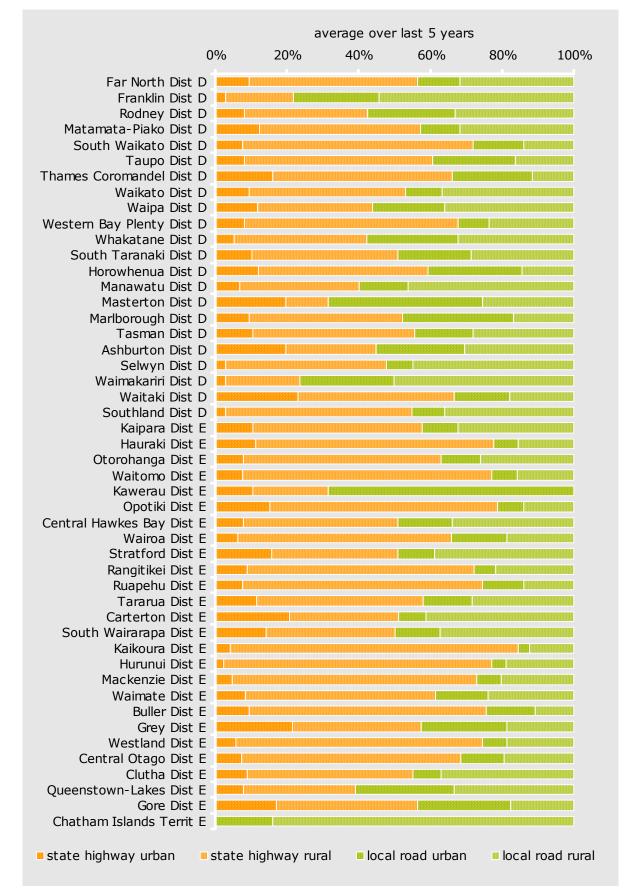
#### Crashes by road type (#) Peer groups D & E



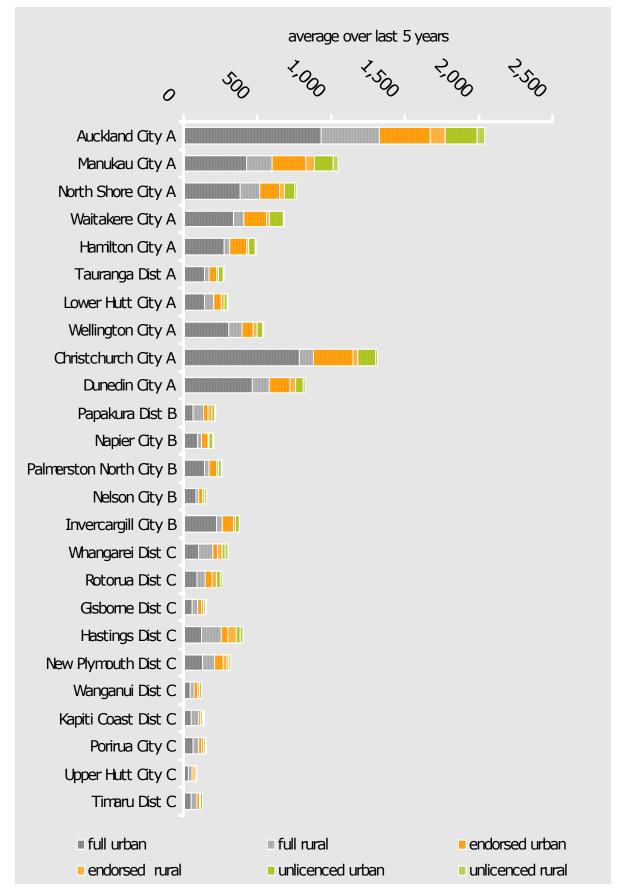
#### Crashes by road type (%) Peer groups A, B & C



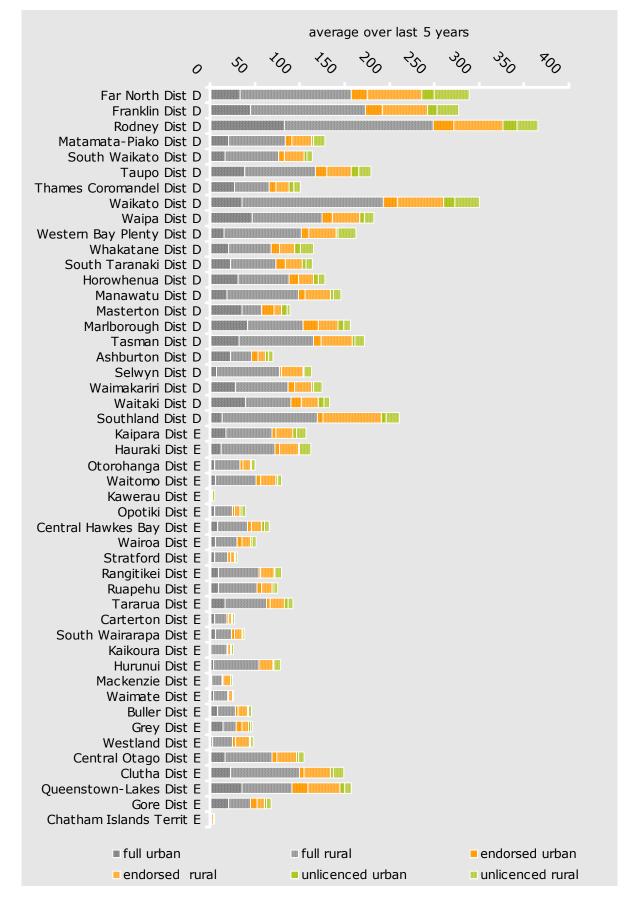
#### Crashes by road type (%) Peer groups D & E



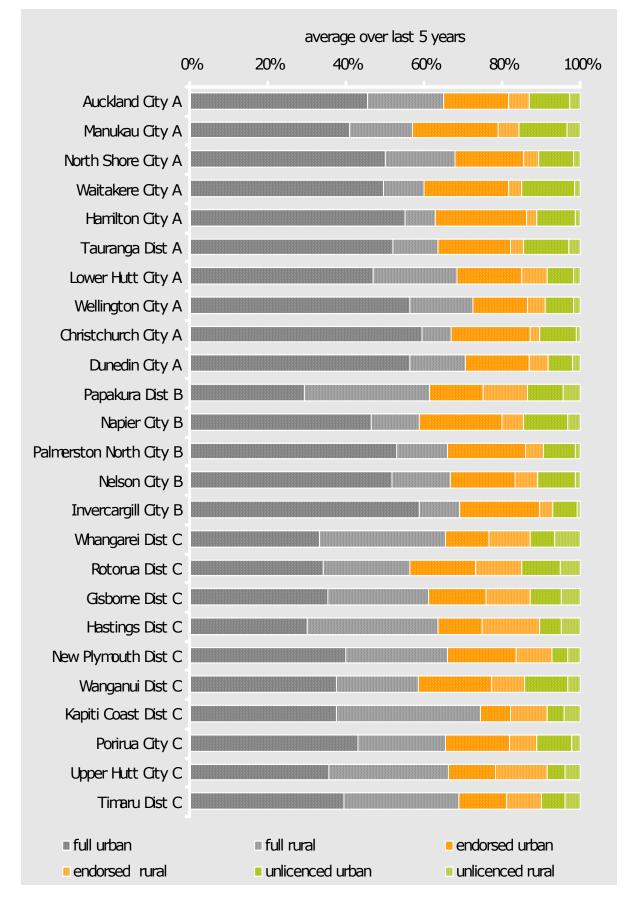
#### Licence of those involved in crashes Peer groups A, B & C



#### Licence of those involved in crashes Peer groups D & E



#### Licence of those involved in crashes Peer groups A, B & C



# Licence of those involved in crashes Peer groups D & E

	average over last 5 years					
(	0%	20%	40%	60%	80%	100%
Far North Dist D		0	•			
Franklin Dist D						
Rodney Dist D						
Matamata-Piako Dist D						
South Waikato Dist D						
Taupo Dist D						
Thames Coromandel Dist D	-					
Waikato Dist D						
Waipa Dist D	-					
Western Bay Plenty Dist D						
Whakatane Dist D						
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Horowhenua Dist D Manawatu Dist D						
Manawatu Dist D Masterton Dist D						
Marlborough Dist D						
Tasman Dist D						
Ashburton Dist D						
Selwyn Dist D						
Waimakariri Dist D						
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Kaipara Dist E						
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Waitomo Dist E						
Kawerau Dist E						
Opotiki Dist E						
Central Hawkes Bay Dist E						
Wairoa Dist E						
Stratford Dist E	-					
Rangitikei Dist E						
Ruapehu Dist E						
Tararua Dist E						
Carterton Dist E						
South Wairarapa Dist E						
Kaikoura Dist E	-					
Hurunui Dist E Mackenzie Dist E						
Waimate Dist E	-					
Buller Dist E						
Grey Dist E						
Westland Dist E						
Central Otago Dist E						
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