2008 NWT Traffic Collision Facts

Department of Transportation
Road Licensing and Safety Division
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Acknowledgements

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If you have any comments or questions related to the content of this report, please contact the Road Licensing and Safety Division at telephone (867) 873-7406, or by facsimile at (867) 873-0120.

2008 QUICK FACTS REPORT

2008 Compared to 2007

	2007	2008	% Change
PROPERTY DAMAGE ONLY COLLISIONS	619	740	19.5
PERSONAL INJURY COLLISIONS	114	116	1.8
FATAL COLLISIONS	5	5	0.0
TOTAL REPORTED COLLISIONS	738	861	16.7
NUMBER OF PERSONS KILLED	5	5	0.0
NUMBER OF PERSONS INJURED	156	173	10.9
NWT HIGHWAY SYSTEM COLLISIONS	149	179	20.1
RURAL COLLISIONS	8	5	-37.5
COLLISIONS IN COMMUNITIES	581	677	16.5
REGISTERED VEHICLES	30,078	31,042	3.2
LICENSED DRIVERS	24,442	24,323	-0.5
NWT POPULATION [1]	42,637	43,282	1.5
COLLISIONS PER 100 LICENSED DRIVERS	3.02	3.54	17.2
COLLISIONS PER 100 REGISTERED VEHICLES	2.45	2.77	13.0
COLLISIONS PER 100 POPULATION	1.73	1.99	14.9
COLLISIONS INVOLVING ALCOHOL	46	52	13.0

[1] 2007 and 2008 population from NWT Bureau of Statistics July 1 estimate published in 'Quarterly Report', March 2009.

Introduction

The Traffic Collision Information System (TCIS) is a computer-based system that compiles information on traffic collisions occurring throughout the Northwest Territories. Information in this publication is derived from the motor vehicle collision report forms that are completed by Royal Canadian Mounted Police detachments in accordance with Section 262 of the *Motor Vehicles Act*. The collection of this valuable data is made possible by the efforts and dedication of the many Royal Canadian Mounted Police officers across the Northwest Territories who complete the forms from their collision investigations.

This publication contains useful information on issues such as - drinking and driving, unsafe speed, young and old drivers, and use of occupant restraints - that affect crashes and their severities. This report is organized in twelve sections. The contents of each section are described below.

Section 1 -Historical Trends

This section illustrates the 20-year history of collisions, victims and licensed drivers and vehicles. There were a total of 861 collisions reported in 2008, which is 16.7 percent greater than 2007. Reporting definitions have remained the same since 1989. Trends in injuries, property damage collisions and total collisions declined steadily between 1989 and 1997. This decline took place in spite of the increased population and number of licensed drivers and registered vehicles. Total collisions and property damage only collisions, however, have generally been increasing since 1997.

Because of the small number of fatal collisions in the Northwest Territories, trends are difficult to identify and subject to year-to-year fluctuations. The 5 traffic fatalities reported in 2008 is close to the 20-year average while the 173 persons injured in 2008 is less than the 20-year average.

Section 2 - Time of Occurrence

Section 2 shows the distribution of collisions by; time of day, by day of week, and by month. The highest number of collisions occurred during the winter months, November to March. Conversely, injury-producing collisions are more likely to occur during the summer months.

Collisions are most likely to take place during the late afternoon and early evening. More collisions take place on Fridays and Saturdays than on Sundays and weekdays.

Section 3 - Major Contributing Factors

Contributing factors are those circumstances or factors that the reporting police officer perceives to have directly contributed to the collision or its severity. Factors are selected from four categories: driver condition, driver action, vehicle condition and driving environment.

Driver condition is more than twice as prevalent in injury and fatal collisions (15%) than in all collisions (6%). Driver error accounts for 73% of all factors in collisions, as compared to vehicular (1%) and environmental (5%).

Section 4 - Environmental Factors

The driving environment consists of road, light and weather conditions, as well as events leading up to and during a collision. It is important to understand all of these factors to properly design effective countermeasures for reducing collisions. Section 4 provides a breakdown of collisions for each of the different driving environments by severity and road system.

Most collisions occur under favourable conditions, such as clear weather, daylight and on a road surface that is free of defects. Intersection related collisions are far more frequent in communities than in rural areas or on the NWT Highway system.

Section 5 - Driver Factors

This section describes the characteristics of drivers involved in collisions. In 2008, 1,235 drivers were involved in 861 collisions. This is an average of 1.43 drivers per collision. Details on driver age, gender, condition, action and class of licence is presented.

Of particular interest and concern is the over-representation of young drivers in collisions. Drivers aged 15 to 20 years are nearly twice as likely to be involved in a collision than drivers aged 35 to 44 years. On August 1, 2005, the Graduated Driver Licensing Program was introduced to make the process of learning to drive a safer experience. New drivers are required to go through three stages to obtain a full Class 5 licence:

Stage 1 – Learner Class 7
• Must be 15 years of age.
• Must pass a written examination.
• The Learner's Stage lasts for a minimum of 12 months, providing the driver remains suspension free.

Conditions
• A Learner must drive with a fully licensed driver, who has a minimum of 24 months experience with a full Class 5 licence.
• Time spent suspended will have to be made up before moving on to the next stage.

• A Learner cannot have any passengers other than the supervisor.
• A Learner cannot drive between the hours of 11 p.m. and 6 a.m.

Stage 2 – Probationary Class 5P
• Must be 16 years of age.
• Must have completed the 12-month Learner Stage.
• Must pass a practical road examination.
• The Probationary Stage lasts for a minimum of 12 months, providing the driver remains suspension free.

Conditions
• No supervisor required.
• The number of passengers for a probationary driver can be equal to the number of seat belts available in the vehicle.
• Only one passenger is permitted in the front seat.

Stage 3 – Full Class 5
• Must be 17 years of age.
• Must have completed the Probationary Stage.

Section 6 - Vehicle Factors

There were a total of 1,494 vehicles involved in 861 collisions in 2008. This is an average of 1.74 vehicles per collision. This section provides details on the different vehicle types involved in collisions.

Section 7 - Victims and Occupant Restraints

The Traffic Collision Information System (TCIS) attempts to capture information on all road users involved in collisions, whether they are injured or not. This data can be used to calculate exposure rates for road users by injury severity, age, road user class, gender and many other variables.

Of interest is the relationship between the severity of injury to motor vehicle occupants and seat belt use. The severity of injury is lower for victims using seat belts. In the Northwest Territories, only 8% of victims wearing seat belts were injured. On the other hand, 22% of the victims who were not wearing seat belts were injured.

The proper use of seat belts is an important factor when evaluating their effectiveness in reducing or preventing injuries. This is especially true of young children and the use of child restraints. In the Northwest Territories, it is estimated that less than 35% of children are restrained. It is further estimated that only half of these children are in a correctly installed device or one that is appropriate for the size and age of the child.

Section 8 - Pedestrians

This section presents a summary of collisions involving pedestrians. For 2008:

- 14 pedestrians were injured;
- no pedestrians were killed;
- 21% of the pedestrians injured were under the age of 15;
- 13 pedestrians were injured within a community;
- none of the pedestrians had been drinking or were impaired by alcohol.

Section 9 - Alcohol

On December 1, 2004, the Department of Transportation introduced new measures to reduce impaired driving in the Northwest Territories:

- Drivers caught with .05 to .08 blood alcohol content automatically have their driver's licence suspended for 24 hours for a first offence or 30 days for further offences within a 2 year period.

- New drivers with any blood alcohol content automatically have their driver's licence suspended for 30 days.

- Drivers caught with over .08 blood alcohol content or who refuse to provide a breathalyzer sample automatically have their driver's licence suspended for 90 days in addition to Criminal Code charges for impaired driving.

- Drivers convicted of impaired driving under the Criminal Code are automatically prohibited from driving for:
  - 1 year for a first conviction;
  - 3 years for a second conviction;
  - 5 years for a third conviction;
  - 5 or more years for additional convictions or if the offence caused a death.

- Drivers wishing to have their driving privileges reinstated after an administrative licence suspension are required to pay reinstatement fees and may be required to satisfy conditions including:
  - An alcohol dependency assessment;
  - A driver assessment;
  - Participation in a driver improvement program;
  - Participation in an alcohol dependency awareness program;
  - Participation in an alcohol treatment program;
  - Participation in an alcohol ignition interlock program, or
  - Any other condition the Registrar considers appropriate.

- Police have the authority to impound a vehicle for 30 days if the vehicle is operated by a driver whose driving privileges are suspended.

In 2008, there were 52 collisions involving alcohol, resulting in 24 persons being injured. There were 2 alcohol-related fatalities in 2008. These figures are significantly below the 20-year averages.

Section 10 - Off-Road Vehicles

Off-road vehicles, including snowmobiles and All-Terrain Vehicles (ATVs) are a common form of transportation in isolated communities in the Northwest Territories. From the figures presented in this section, the facts below should be noted:

- 73% of off-road vehicle collisions resulted in injuries or fatalities;
- 54% of off-road vehicle drivers involved in collisions are 24 years of age or younger;
- 33% of off-road vehicle drivers in collisions had been drinking or were impaired by alcohol;
- 11% of off-road vehicle drivers or passengers in collisions were wearing helmets;
- 76% of the off-road vehicles involved in collisions were snowmobiles.

Section 11 - Geographic Distribution

This section presents a detailed summary of collisions by Region, RCMP detachment and severity. 62% of collisions took place in the North Slave Region. The North Slave Region also accounted for 39% of persons injured. Fatalities took place in all four Regions.

A map detailing collisions that occurred on the NWT Highway system is shown on Page 44. Highway 3 (Yellowknife Highway) accounted for 43% of collisions occurring on the eight numbered highways.

Section 12 – National Comparison

This section compares injury and fatality rates for Canadian jurisdictions for the 2007 calendar year. This is the most recent year for which complete data is available. Fatality and injury rates are shown; per 100,000 population, per billion vehicle-kilometres of travel, and per 100,000 licensed drivers for each province and territory. The casualty rates for the Northwest Territories are less than the Canada average for three of the six indicators.

Definitions

REPORTABLE MOTOR VEHICLE COLLISION - an incident involving one or more motor vehicles resulting in death, personal injury or a minimum of $1,000 in property damage. The Traffic Collision Information System (TCIS) only records reportable motor vehicle collisions that occur on, or adjacent to, roadways intended for use by the general public. The following is a list of words and terms used in reportable collisions:

INCIDENT - Any set of events not under human control that includes at least one occurrence of injury or damage. It originates when human control is lost and terminates when control is regained, or in the absence of persons who are able to regain control when all persons and property are at rest.

Excluded are events which are known to be the result of deliberate intent, legal intervention or natural disasters. As an example, if a vehicle catches fire due to mechanical failure and the driver is able to stop the car, this is not a traffic collision because control of the vehicle was never lost.

VEHICLE - is any vehicle designed to travel on land that is drawn, propelled or driven by any kind of power, including muscular power, but does not include a device designed to run exclusively on rails.

MOTOR VEHICLE - is a vehicle propelled or driven by power other than by wind, gravity or muscular power and includes a trailer, but does not include:

(a) an aircraft or a marine vehicle,
(b) a device that runs or is designed to run exclusively on rails,
(c) a mechanically propelled wheelchair or mobility device.

PEDESTRIAN - is a person on foot, in a wheelchair or mobility device and includes a child in a carriage or carried by a person on foot, persons on ice skates, skis, roller blades, skate boards and persons pushing or pulling vehicles. A pedestrian does NOT include persons jumping or falling from a vehicle in motion.

DAMAGE - harm to property that reduces the monetary value of that property. It includes harm to animals that have monetary value. It excludes mechanical failure incurred by normal operation such as a tire blow out or broken fan belt.

ROADWAY - any highway, secondary road, rural road, street, avenue, parkway, lane, alley or bridge designed and intended for, or used by, the general public for the passage of vehicles and pedestrians. This includes sidewalks, boulevards and the immediate right-of-way adjacent to and parallel with the roadway. It also

includes winter/ice roads, trails, privately maintained roads, driveways and parking lots on which the general public may travel.

NWT HIGHWAY COLLISION – a collision occurring on one of the eight numbered highways or on an Access or Winter road maintained by the Department of Transportation.

COMMUNITY COLLISION – a collision occurring within the corporate limits of a community but not on any of the roads on the NWT Highway system.

RURAL COLLISION – a collision occurring outside of the corporate limits of a community and off of any of the roads on the NWT Highway system.

PROPERTY DAMAGE ONLY COLLISION (Property Damage) - a motor vehicle collision resulting in total damages over the prescribed amount as defined in the *Motor Vehicles Act* ($1,000) with no personal injuries or deaths.

INJURY COLLISION (Personal Injury) - a motor vehicle collision resulting in a non-fatal injury to one or more persons. An injury is defined as any bodily harm resulting from the collision.

FATAL COLLISION (Fatal) - a motor vehicle collision resulting in death within 30 days to one or more involved persons. Death must be the result of injuries incurred from the collision. This excludes death from natural causes such as heart attacks.

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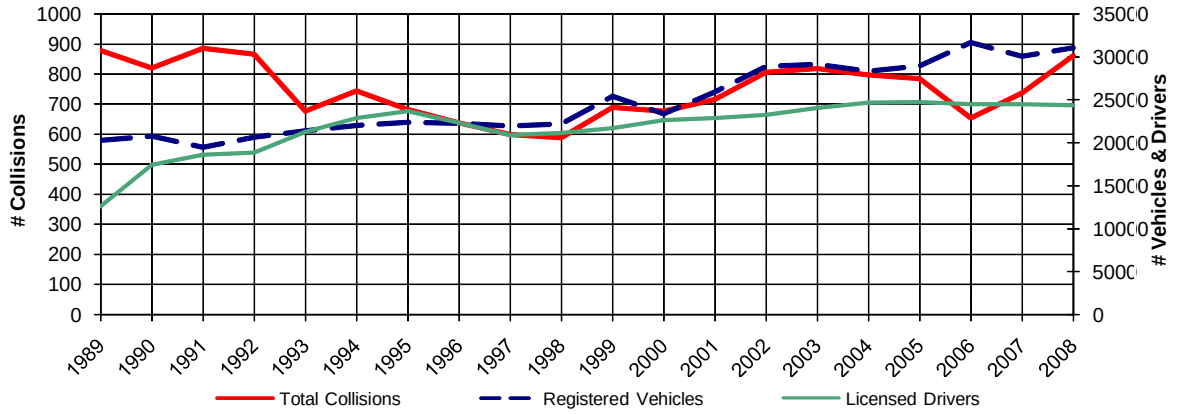
Trends in Licensed Drivers, Registered Vehicles and Collisions

Figure 1.1

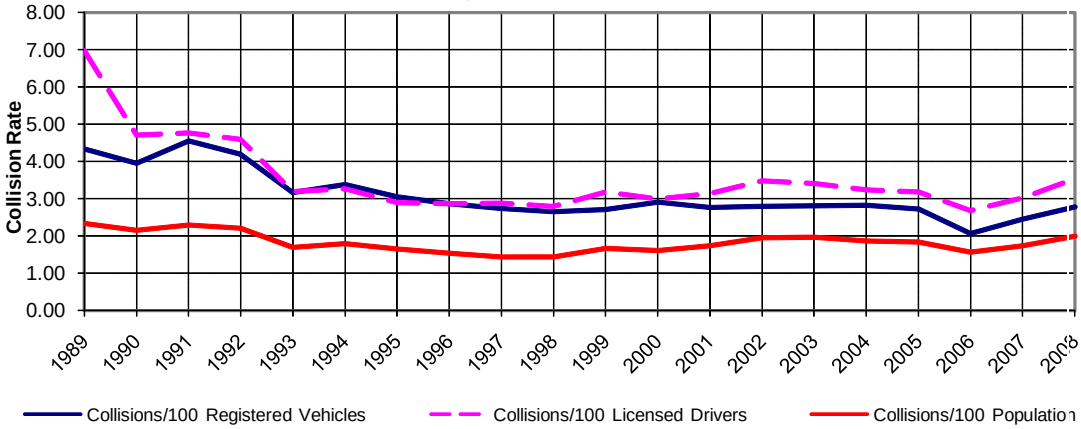


3 Year Summary

	2006	2007	2008	% Change
Registered Vehicles	31,664	30,078	31,042	3.2
Licensed Drivers	24,432	24,442	24,323	-0.5
Total Collisions	654	738	861	16.7

Trends in Collision Rates by Vehicles, Drivers and Population

Figure 1.2

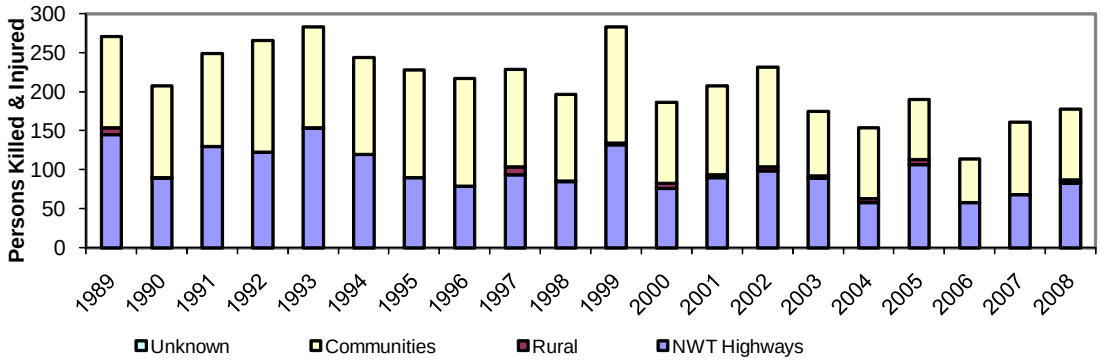


3 Year Summary

	2006	2007	2008	% Change
Collisions/100 Registered Vehicles	2.07	2.45	2.77	13.0
Collisions/100 Licensed Drivers	2.68	3.02	3.54	17.2
Collisions/100 Population	1.56	1.73	1.99	14.9

Trends in Injuries & Fatalities

Figure 1.3

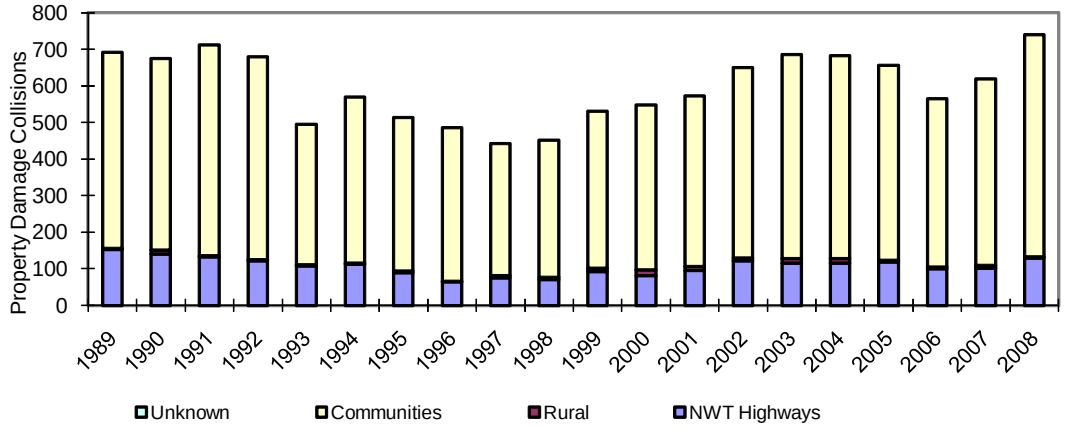


3 Year Summary

	Persons Injured				Persons Killed			
	2006	2007	2008	Average	2006	2007	2008	Average
NWT Highways	56	63	80	66	2	5	3	3
Rural	0	0	4	1	0	0	0	0
Communities	56	93	89	79	0	0	2	1
Total	**112**	**156**	**173**	**147**	**2**	**5**	**5**	**4**

Trends in Property Damage Collisions

Figure 1.4

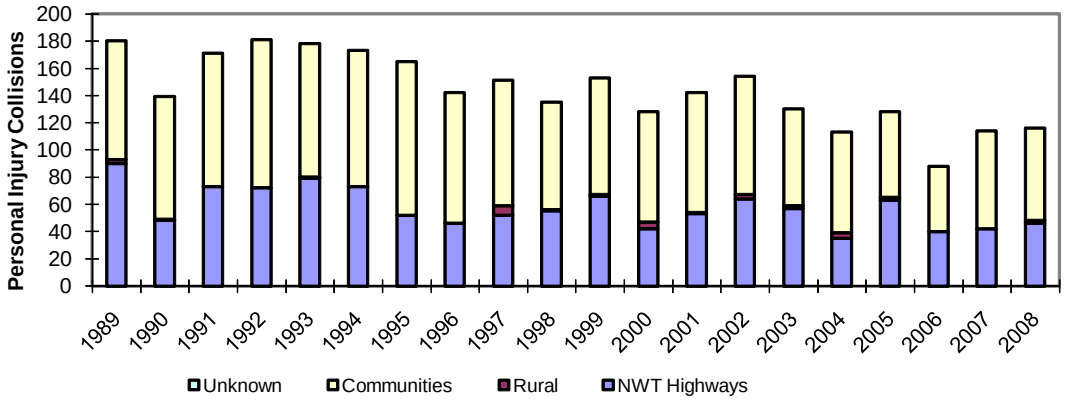


3 Year Summary

	Property Damage Collisions			
	2006	2007	2008	Average
NWT Highways	100	102	130	111
Rural	5	8	3	5
Communities	459	509	607	525
Total	**564**	**619**	**740**	**641**

Trends in Personal Injury Collisions

Figure 1.5



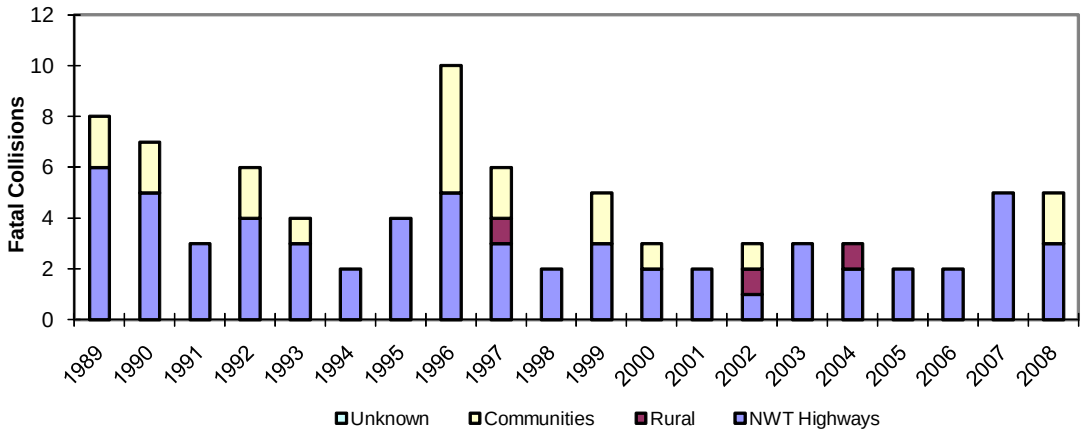
3 Year Summary

Personal Injury Collisions

	2006	2007	2008	Average
NWT Highways	40	42	46	43
Rural	0	0	2	1
Communities	48	72	68	63
Total	**88**	**114**	**116**	**106**

Trends in Fatal Collisions

Figure 1.6



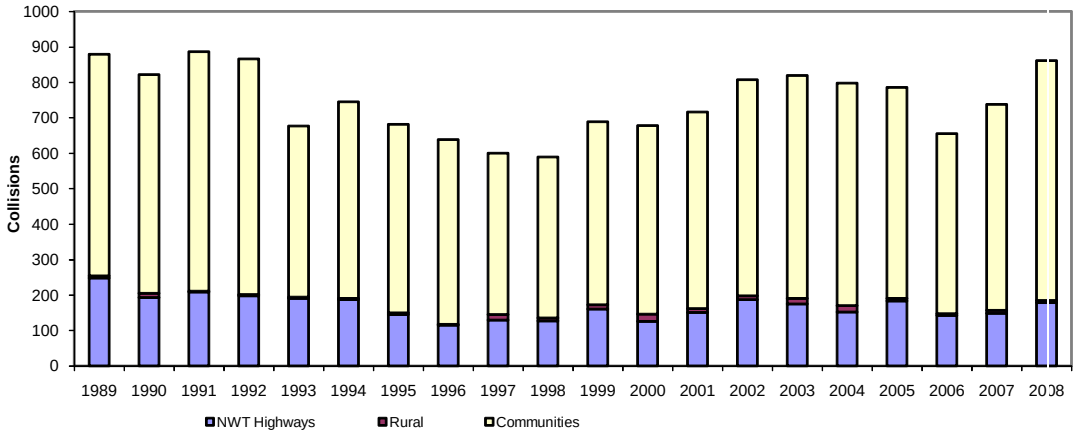
3 Year Summary

Fatal Collisions

	2006	2007	2008	Average
NWT Highways	2	5	3	3
Rural	0	0	0	0
Communities	0	0	2	1
Total	**2**	**5**	**5**	**4**

Trends in All Reported Collisions

Figure 1.7



3 Year Summary

	2006	2007	2008	Average
NWT Highways	142	149	179	157
Rural	5	8	5	6
Communities	507	581	677	588
Total	**654**	**738**	**861**	**751**

Property Damage Collisions by Month and Year

Figure 1.8

Month	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Avg. 98 to 07	2008
January	64	65	60	50	85	91	90	75	62	58	70	101
February	46	65	49	65	64	76	85	87	54	72	66	68
March	36	47	45	59	64	82	58	65	45	84	59	91
April	22	34	33	35	35	47	37	52	42	33	37	44
May	20	30	34	34	42	41	27	39	29	26	32	38
June	29	30	27	39	41	47	51	43	30	45	38	33
July	34	29	31	22	38	38	32	52	45	39	36	37
August	34	38	36	38	53	34	35	42	34	39	38	53
September	34	36	34	32	40	43	49	53	41	43	41	43
October	39	63	58	65	61	47	59	47	33	50	52	56
November	37	45	53	61	64	69	66	51	90	54	59	82
December	57	49	87	72	63	72	93	50	59	76	68	94
Total	**452**	**531**	**547**	**572**	**650**	**687**	**682**	**656**	**564**	**619**	**596**	**740**

Personal Injury Collisions by Month and Year Figure 1.9

Month	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Avg. 98 to 07	2008
January	10	15	17	13	11	9	15	10	12	6	12	10
February	10	13	14	14	6	25	8	8	4	15	12	16
March	11	11	9	7	8	11	7	10	8	9	9	10
April	7	9	4	7	5	7	11	3	10	7	7	7
May	4	6	9	8	9	10	9	5	4	3	7	11
June	20	12	9	14	15	9	10	15	8	10	12	10
July	11	22	11	6	19	12	9	17	6	11	12	9
August	14	12	7	16	16	11	18	15	8	13	13	7
September	11	11	9	10	13	6	10	9	5	12	10	6
October	17	20	12	21	22	15	6	13	9	9	14	10
November	8	10	10	10	15	7	3	16	10	8	10	10
December	12	12	17	16	15	8	7	7	4	11	11	10
Total	**135**	**153**	**128**	**142**	**154**	**130**	**113**	**128**	**88**	**114**	**129**	**116**

Fatal Collisions by Month and Year Figure 1.10

Month	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Avg. 98 to 07	2008
January	0	0	1	1	0	1	0	0	1	0	0.4	0
February	0	0	0	0	1	0	1	0	0	0	0.2	0
March	0	0	0	0	0	0	0	0	0	0	0.0	0
April	0	1	0	1	0	0	0	0	0	0	0.2	0
May	0	0	0	0	0	0	0	1	0	1	0.2	0
June	0	0	0	0	0	1	1	1	0	0	0.3	0
July	0	1	0	0	0	0	0	0	1	1	0.3	2
August	0	1	1	0	0	0	0	0	0	0	0.2	0
September	1	1	0	0	0	0	0	0	0	2	0.4	2
October	1	0	1	0	1	0	0	0	1	0	0.4	0
November	0	0	0	0	1	0	0	0	0	0	0.1	1
December	0	1	0	0	0	1	1	0	0	1	0.4	0
Total	**2**	**5**	**3**	**2**	**3**	**3**	**3**	**2**	**3**	**5**	**3.1**	**5**

Total Collisions by Month and Year

Figure 1.11

Month	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Avg. 98 to 07	2008
January	74	80	78	64	96	101	105	85	75	64	82	111
February	56	78	63	79	71	101	94	95	58	87	78	84
March	47	58	54	66	72	93	65	75	53	93	68	101
April	29	44	37	43	40	54	48	55	52	40	44	51
May	24	36	43	42	51	51	36	45	33	30	39	49
June	49	42	36	53	56	57	62	59	38	55	51	43
July	45	52	42	28	57	50	41	69	52	51	49	48
August	48	51	44	54	69	45	53	57	42	52	52	60
September	46	48	43	42	53	48	59	62	46	57	50	51
October	57	83	71	86	84	62	65	60	43	59	67	66
November	45	55	63	71	80	76	69	67	100	62	69	93
December	69	62	104	88	78	81	101	57	63	88	79	104
Total	**589**	**689**	**678**	**716**	**807**	**819**	**798**	**786**	**655**	**738**	**728**	**861**

Collisions by Month of Occurrence

Figure 2.1

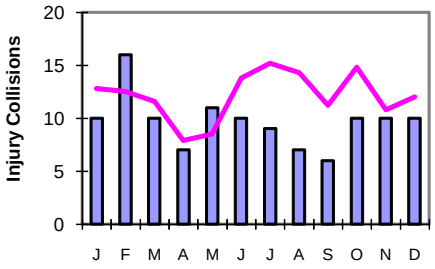


Figure 2.2

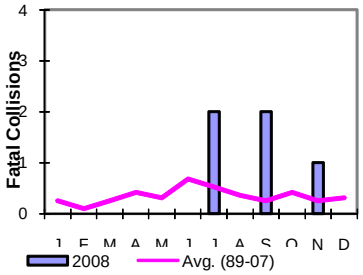
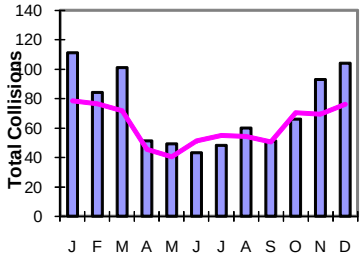


Figure 2.3



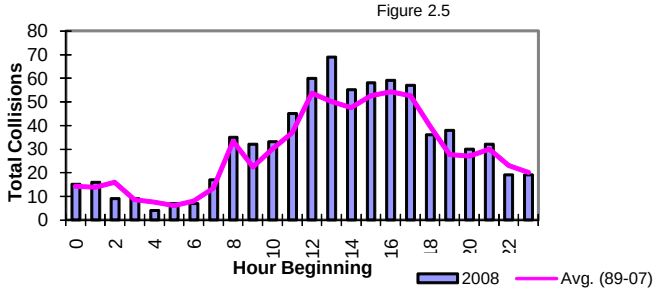
Collisions & Victims by Month of Occurrence

Figure 2.4

Month	Number of Collisions				Number of Victims	
	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
January	101	10	0	111	11	0
February	68	16	0	84	23	0
March	91	10	0	101	14	0
April	44	7	0	51	8	0
May	38	11	0	49	13	0
June	33	10	0	43	27	0
July	37	9	2	48	11	2
August	53	7	0	60	12	0
September	43	6	2	51	10	2
October	56	10	0	66	10	0
November	82	10	1	93	22	1
December	94	10	0	104	12	0
Total	**740**	**116**	**5**	**861**	**173**	**5**

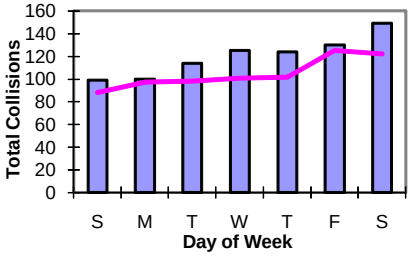
Total Collisions by Time of Day

Figure 2.5



Total Collisions by Day of Week

Figure 2.6



Collisions by Time of Day & Day of Week*

Figure 2.7

Collision Hour	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Total	%
12 to 1 a.m.	3	1	3	3	2	1	2	15	1.8
1 to 2 a.m.	1	1	2	2	2	1	7	16	1.9
2 to 3 a.m.	3	0	1	1	0	1	3	9	1.1
3 to 4 a.m.	4	0	0	1	2	1	1	9	1.1
4 to 5 a.m.	3	0	0	0	1	0	0	4	0.5
5 to 6 a.m.	0	1	1	0	3	0	2	7	0.8
6 to 7 a.m.	1	1	0	2	0	1	2	7	0.8
7 to 8 a.m.	3	3	3	4	0	2	2	17	2.0
8 to 9 a.m.	1	11	2	7	10	4	0	35	4.2
9 to 10 a.m.	2	4	7	2	6	7	4	32	3.8
10 to 11 a.m.	1	6	4	5	4	7	6	33	3.9
11 to 12 a.m.	7	4	7	6	7	5	9	45	5.4
12 to 1 p.m.	2	7	9	9	13	9	11	60	7.1
1 to 2 p.m.	4	5	13	12	10	13	12	69	8.2
2 to 3 p.m.	11	8	5	4	9	9	9	55	6.5
3 to 4 p.m.	9	3	10	11	7	8	10	58	6.9
4 to 5 p.m.	1	9	7	3	9	16	14	59	7.0
5 to 6 p.m.	5	9	6	12	8	7	10	57	6.8
6 to 7 p.m.	5	2	8	5	3	2	11	36	4.3
7 to 8 p.m.	5	4	4	11	6	3	5	38	4.5
8 to 9 p.m.	5	4	3	4	3	7	4	30	3.6
9 to 10 p.m.	4	2	8	6	4	3	5	32	3.8
10 to 11 p.m.	2	3	2	3	0	5	4	19	2.3
11 to 12 p.m.	3	2	2	1	4	4	3	19	2.3
Not Stated	14	10	7	11	11	14	13	80	9.5
Total	**99**	**100**	**114**	**125**	**124**	**130**	**149**	**841**	
%	**11.8**	**11.9**	**13.6**	**14.9**	**14.7**	**15.5**	**17.7**	**100.0**	

* Excludes collisions in which Day of Week was unknown.

Collisions by Severity Where Human Condition was a Major Contributing Factor

Figure 3.1

Human Condition	Property Damage	Personal Injury	Fatal	Total	% of Total Factors
Fatigued, Fell Asleep	2	0	0	2	0.2
Inexperience	0	0	0	0	0.0
Under Influence - Alcohol	34	16	2	52	6.0
Under Influence - Drugs	0	0	0	0	0.0
Sudden Illness, Lost Consciousness	0	0	0	0	0.0
Other Driver Condition	0	0	0	0	0.0
Total	**36**	**16**	**2**	**54**	**6.3**

Collisions by Severity Where Human Action was a Major Contributing Factor

Figure 3.2

Human Action	Property Damage	Personal Injury	Fatal	Total	% of Total Factors
Following Too Closely	40	8	0	48	5.6
Distracted, Inattentive	75	17	0	92	10.7
Driving Too Fast for Conditions	88	18	2	108	12.5
Improper Turning or Passing	15	1	0	16	1.9
Failed to Yield Right-of-Way	24	6	0	30	3.5
Disobeyed Traffic Control/Officer	0	2	0	2	0.2
Driving on Wrong Side of Road	1	2	0	3	0.3
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	187	6	0	193	22.4
Lost Control	101	35	1	137	15.9
Other Driver Action	0	0	0	0	0.0
Total	**531**	**95**	**3**	**629**	**73.1**

Collisions by Severity Where Vehicle Condition was a Major Contributing Factor

Figure 3.3

Vehicle Condition	Property Damage	Personal Injury	Fatal	Total	% of Total Factors
Defective Brakes	0	0	0	0	0.0
Defective Steering	0	0	0	0	0.0
Defective Lights	0	0	0	0	0.0
Tire Blown Out	0	0	0	0	0.0
Unsecured Load, Spilled Load	0	0	0	0	0.0
Oversized Load, Overload	1	0	0	1	0.1
Visibility Obstructed	1	0	0	1	0.1
Other Vehicle Contributing Factor	4	0	0	4	0.5
Total	**6**	**0**	**0**	**6**	**0.7**

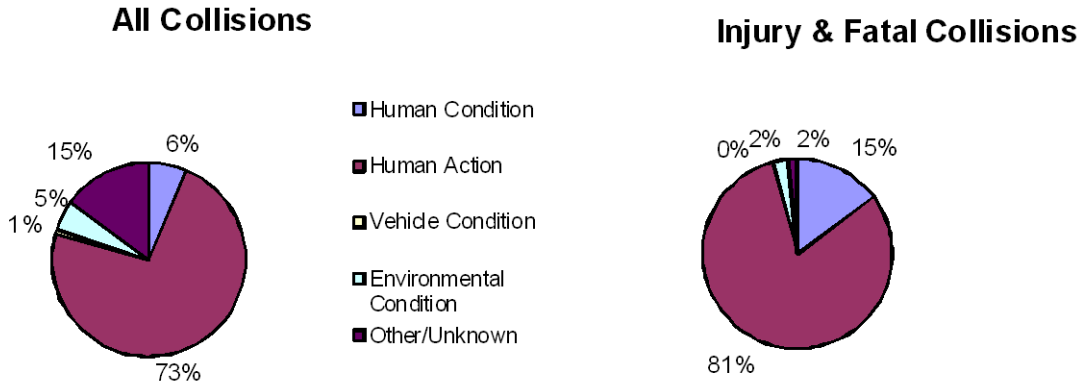
Collisions by Severity Where Environmental Condition was a Major Contributing Factor Figure 3.4

Environmental Condition	Property Damage	Personal Injury	Fatal	Total	% of Total Factors
Animal on Roadway	38	2	0	40	4.6
Road Surface or Condition	2	1	0	3	0.3
Obstruction/Debris on Road	1	0	0	1	0.1
View Obstructed, Glare, Reflection	0	0	0	0	0.0
Weather or Other Acts of God	0	0	0	0	0.0
Other Environmental Factor	0	0	0	0	0.0
Total	**41**	**3**	**0**	**44**	**5.1**

Collisions by Severity Where Major Contributing Factor was Unspecified or Unknown Figure 3.5

Factor	Property Damage	Personal Injury	Fatal	Total	% of Total Factors
Unspecified	1	0	0	1	0.1
Unknown	125	2	0	127	14.8
Total	**126**	**2**	**0**	**128**	**14.9**
Total All Factors	**740**	**116**	**5**	**861**	**100.0**

Major Contributing Factors by Collision Severity Figure 3.6



TCIS recognizes that a collision is usually the result of a chain of events. The collision data system accepts up to fou contributing factors for each vehicle involved in a collision. During the analysis of collisions, knowledge of the factors is important. By removing any one of the factors, the collision may be avoided.

An example: Because of inattention, a driver may have failed to see a stop sign behind some trees and thereby reduced his/her stopping time. The car's brakes, being in poor condition, caused the car to spin out of control on ice and collide with another vehicle that was speeding through the intersection. The collision may not have occurred if any of these factors were not present.

Collisions by Road System Where Human Condition was a Major Contributing Factor

Figure 3.7

Human Condition	NWT Highways	In Communities	Rural	Total	% of Total Factors
Fatigued, Fell Asleep	2	0	0	2	0.2
Inexperience	0	0	0	0	0.0
Under Influence - Alcohol	13	39	0	52	6.0
Under Influence - Drugs	0	0	0	0	0.0
Sudden Illness, Lost Consciousness	0	0	0	0	0.0
Other Driver Condition	0	0	0	0	0.0
Total	**15**	**39**	**0**	**54**	**6.3**

Collisions by Road System Where Human Action was a Major Contributing Factor

Figure 3.8

Human Action	NWT Highways	In Communities	Rural	Total	% of Total Factors
Following Too Closely	4	44	0	48	5.6
Distracted, Inattentive	10	81	1	92	10.7
Driving Too Fast for Conditions	19	89	0	108	12.5
Improper Turning or Passing	0	16	0	16	1.9
Failed to Yield Right-of-Way	2	28	0	30	3.5
Disobeyed Traffic Control/Officer	1	1	0	2	0.2
Driving on Wrong Side of Road	0	3	0	3	0.3
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	1	190	2	193	22.4
Lost Control	80	56	1	137	15.9
Other Driver Action	0	0	0	0	0.0
Total	**117**	**508**	**4**	**629**	**73.1**

Collisions by Road System Where Vehicle Condition was a Major Contributing Factor

Figure 3.9

Vehicle Condition	NWT Highways	In Communities	Rural	Total	% of Total Factors
Defective Brakes	0	0	0	0	0.0
Defective Steering	0	0	0	0	0.0
Defective Lights	0	0	0	0	0.0
Tire Blown Out	0	0	0	0	0.0
Unsecured Load, Spilled Load	0	0	0	0	0.0
Oversized Load, Overload	0	1	0	1	0.1
Visibility Obstructed	1	0	0	1	0.1
Other Vehicle Contributing Factor	1	3	0	4	0.5
Total	**2**	**4**	**0**	**6**	**0.7**

Collisions by Road System Where Environmental Condition was a Major Contributing Factor

Figure 3.10

Environmental Condition	NWT Highways	In Communities	Rural	Total	% of Total Factors
Animal on Roadway	39	1	0	40	4.6
Road Surface or Condition	0	3	0	3	0.3
Obstruction/Debris on Road	0	1	0	1	0.1
View Obstructed, Glare, Reflection	0	0	0	0	0.0
Weather or Other Acts of God	0	0	0	0	0.0
Other Environmental Factor	0	0	0	0	0.0
Total	**39**	**5**	**0**	**44**	**5.1**

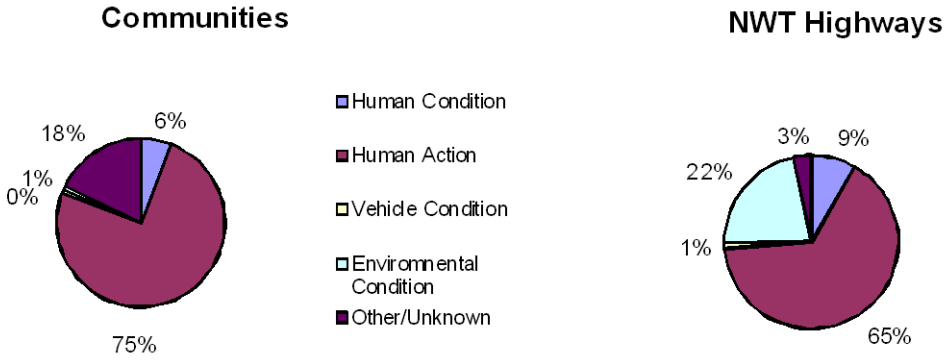
Collisions by Road System Where Major Contributing Factor was Unspecified or Unknown

Figure 3.11

Factor	NWT Highways	In Communities	Rural	Total	% of Total Factors
Unspecified	0	1	0	1	0.1
Unknown	6	120	1	127	14.8
Total	**6**	**121**	**1**	**128**	**14.9**
Total All Factors	**179**	**677**	**5**	**861**	**100.0**

Major Contributing Factors in Collisions - Communities and NWT Highways

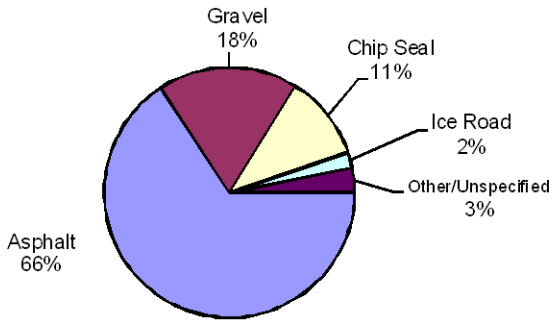
Figure 3.12



Collisions by Road Surface Type and Severity

Figure 4.1

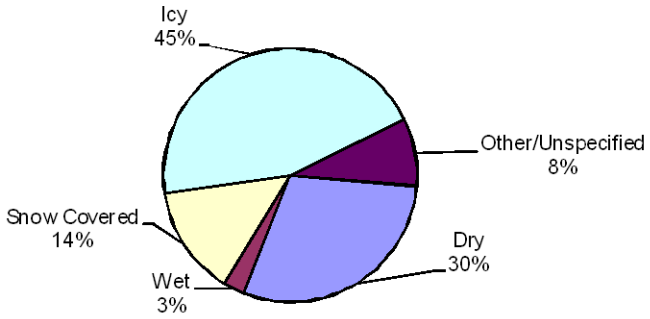
Road Surface Type	Property Damage	Personal Injury	Fatal	Total	%
Asphalt	515	51	0	566	65.7
Concrete	3	0	0	3	0.3
Gravel (Crushed Stone)	115	38	3	156	18.1
Earth, Dirt	6	0	0	6	0.7
Chip Seal	71	21	2	94	10.9
Brick, Cobblestone	0	0	0	0	0.0
Wooden	0	0	0	0	0.0
Steel	0	0	0	0	0.0
Ice Road	12	6	0	18	2.1
Unspecified	18	0	0	18	2.1
Total	**740**	**116**	**5**	**861**	100.0



Collisions by Road Surface Environmental Condition and Severity

Figure 4.2

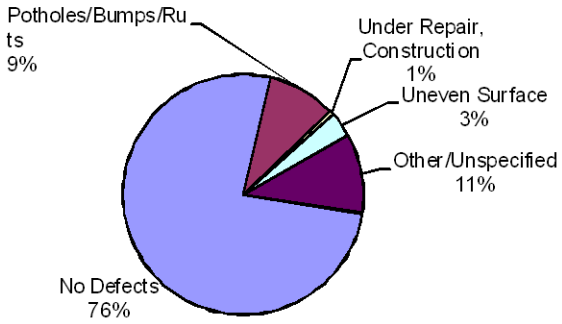
Surface Condition	Property Damage	Personal Injury	Fatal	Total	%
Dry	213	40	2	255	29.6
Wet	20	3	0	23	2.7
Snow (Fresh, Loose)	104	11	1	116	13.5
Slush, Wet Snow	4	1	0	5	0.6
Icy	336	52	0	388	45.1
Loose Sand/Gravel/Dirt	22	7	2	31	3.6
Muddy	3	1	0	4	0.5
Fresh Oil	0	0	0	0	0.0
Flooded	0	0	0	0	0.0
Other	3	0	0	3	0.3
Unspecified	35	1	0	36	4.2
Total	**740**	**116**	**5**	**861**	100



Collisions by Road Defect and Severity

Figure 4.3

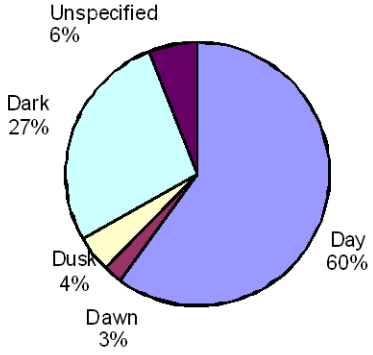
Road Defect	Property Damage	Personal Injury	Fatal	Total	%
No Defects	582	71	3	656	76.2
Potholes/Bumps/Ruts	56	21	2	79	9.2
Under Repair, Construction	3	2	0	5	0.6
Uneven Pavement Surface	21	8	0	29	3.4
Worn	11	1	0	12	1.4
Obscured or Faded Markings	2	3	0	5	0.6
Other	16	5	0	21	2.4
Unspecified	49	5	0	54	6.3
Total	**740**	**116**	**5**	**861**	100.0



Collisions by Light Condition and Severity

Figure 4.4

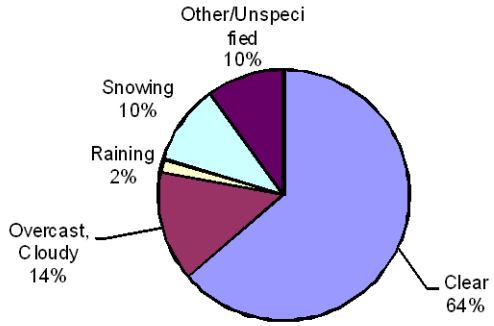
Light Condition	Property Damage	Personal Injury	Fatal	Total	%
Day	432	80	4	516	59.9
Dawn	16	5	0	21	2.4
Dusk	34	4	0	38	4.4
Dark	206	27	1	234	27.2
Unspecified	52	0	0	52	6.0
Total	**740**	**116**	**5**	**861**	100.0



Collisions by Weather Condition and Severity

Figure 4.5

Weather Condition	Property Damage	Personal Injury	Fatal	Total	%
Clear (Sunny)	464	82	3	549	63.8
Overcast, Cloudy (No Precipitation)	106	14	2	122	14.2
Raining	12	3	0	15	1.7
Snowing	76	12	0	88	10.2
Freezing Rain/Sleet/Hail	1	0	0	1	0.1
Visibility Limitations (fog, dust, etc.)	20	3	0	23	2.7
Strong Winds	5	2	0	7	0.8
Other	0	0	0	0	0.0
Unspecified	56	0	0	56	6.5
Total	**740**	**116**	**5**	**861**	100.0

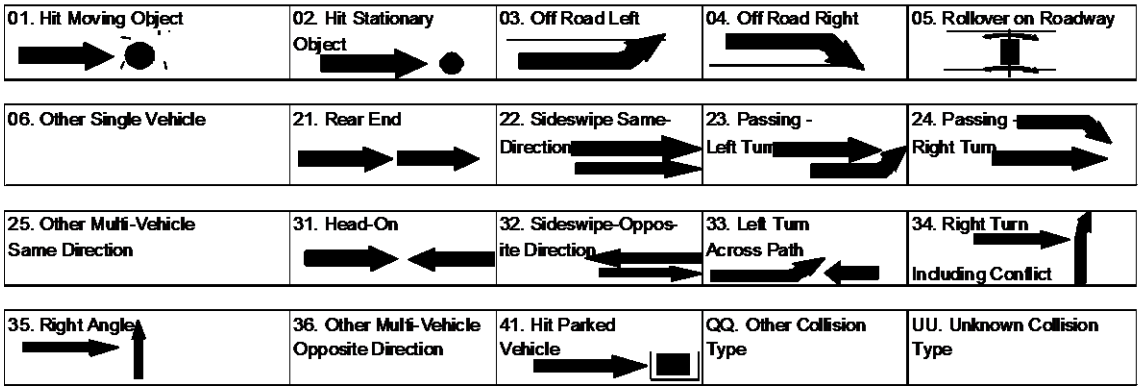


Collisions by Configuration and Severity

Figure 4.6

Configuration*	Property Damage	Personal Injury	Fatal	Total	% of Total
01. Hit Moving Object					
a) With Bison	29	2	0	31	3.6
b) With Other Animal	12	0	0	12	1.4
c) With Pedestrian	0	13	0	13	1.5
d) Other	0	0	0	0	0.0
02. Hit Stationary Object	58	5	1	64	7.4
03. Off Road Left					
a) With Rollover	8	7	1	16	1.9
b) No Rollover	18	6	1	25	2.9
04. Off Road Right					
a) With Rollover	19	14	1	34	3.9
b) No Rollover	22	7	0	29	3.4
05. Rollover on Roadway	9	9	1	19	2.2
06. Other Single Vehicle	1	1	0	2	0.2
21. Rear End	116	27	0	143	16.6
22. Sideswipe - Same Direction	21	0	0	21	2.4
23. Passing - Left Turn	0	0	0	0	0.0
24. Passing - Right Turn	2	0	0	2	0.2
25. Other Multi-Vehicle Same Direction	5	1	0	6	0.7
31. Head-On	3	1	0	4	0.5
32. Sideswipe - Opposite Direction	11	1	0	12	1.4
33. Left Turn Across Path	10	3	0	13	1.5
34. Right Turn Including Conflict	5	1	0	6	0.7
35. Right Angle	86	11	0	97	11.3
36. Other Multi-Vehicle Opposite Direction	13	1	0	14	1.6
41. Hit Parked Vehicle	292	6	0	298	34.6
QQ. Other Collision Type	0	0	0	0	0.0
UU. Unknown Collision Type	0	0	0	0	0.0
Total	**740**	**116**	**5**	**861**	**100.0**

***Collision Configurations**

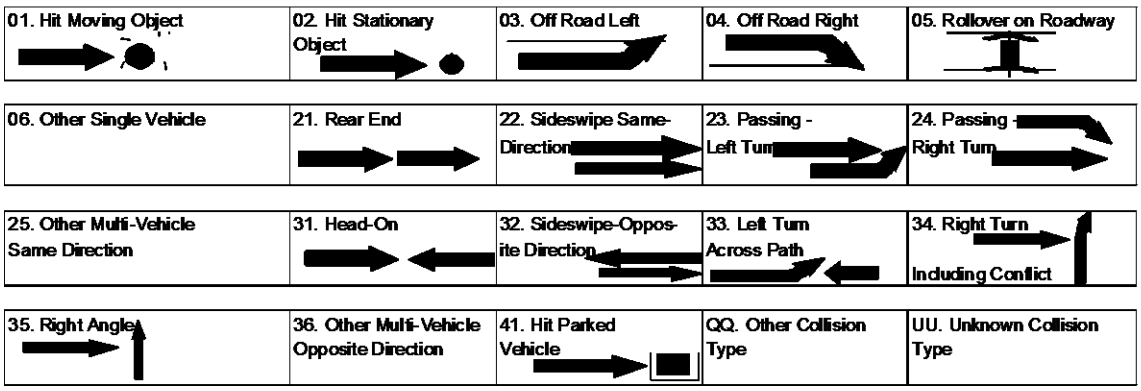


Collisions by Configuration and Road System

Figure 4.7

Configuration*	NWT Highways	In Communities	Rural	Total	% of Total
01. Hit Moving Object					
a) With Bison	31	0	0	31	3.6
b) With Other Animal	11	1	0	12	1.4
c) With Pedestrian	0	12	1	13	1.5
d) Other	0	0	0	0	0.0
02. Hit Stationary Object	10	54	0	64	7.4
03. Off Road Left					
a) With Rollover	15	1	0	16	1.9
b) No Rollover	18	7	0	25	2.9
04. Off Road Right					
a) With Rollover	32	2	0	34	3.9
b) No Rollover	19	10	0	29	3.4
05. Rollover on Roadway	15	3	1	19	2.2
06. Other Single Vehicle	0	2	0	2	0.2
21. Rear End	10	133	0	143	16.6
22. Sideswipe - Same Direction	1	20	0	21	2.4
23. Passing - Left Turn	0	0	0	0	0.0
24. Passing - Right Turn	0	2	0	2	0.2
25. Other Multi-Vehicle Same Direction	1	5	0	6	0.7
31. Head-On	1	3	0	4	0.5
32. Sideswipe - Opposite Direction	5	7	0	12	1.4
33. Left Turn Across Path	3	10	0	13	1.5
34. Right Turn Including Conflict	0	6	0	6	0.7
35. Right Angle	3	94	0	97	11.3
36. Other Multi-Vehicle Opposite Direction	1	13	0	14	1.6
41. Hit Parked Vehicle	3	292	3	298	34.6
QQ. Other Collision Type	0	0	0	0	0.0
UU. Unknown Collision Type	0	0	0	0	0.0
Total	**179**	**677**	**5**	**861**	**100.0**

***Collision Configurations**



Collisions by Collision Site and Severity

Figure 4.8

Collision Site	Property Damage	Personal Injury	Fatal	Total	%
Non-Intersection	334	57	4	395	45.9
Intersection - Two Public Roadways	160	45	1	206	23.9
Intersection - Parking Lot, Driveway	161	11	0	172	20.0
Railroad Level Crossing	0	0	0	0	0.0
Bridge, Overpass, Viaduct	1	0	0	1	0.1
Tunnel, Underpass	0	0	0	0	0.0
Passing, Climbing Lane	0	0	0	0	0.0
Ramp	0	0	0	0	0.0
Other	78	3	0	81	9.4
Unknown	6	0	0	6	0.7
Total	**740**	**116**	**5**	**861**	**100.0**

Collisions by Collision Site and Road System

Figure 4.9

Collision Site	NWT Highways	In Communities	Rural	Total	%
Non-Intersection	156	236	3	395	45.9
Intersection - Two Public Roadways	17	189	0	206	23.9
Intersection - Parking Lot, Driveway	4	167	1	172	20.0
Railroad Level Crossing	0	0	0	0	0.0
Bridge, Overpass, Viaduct	1	0	0	1	0.1
Tunnel, Underpass	0	0	0	0	0.0
Passing, Climbing Lane	0	0	0	0	0.0
Ramp	0	0	0	0	0.0
Other	1	79	1	81	9.4
Unknown	0	6	0	6	0.7
Total	**179**	**677**	**5**	**861**	**100.0**

Collisions by Roadway Alignment and Severity

Figure 4.10

Road Alignment	Property Damage	Personal Injury	Fatal	Total	%
Straight & Level	572	79	2	653	75.8
Straight with Grade	60	13	0	73	8.5
Curved and Level	57	14	2	73	8.5
Curve with Grade	22	5	1	28	3.3
Top of Hill or Grade	6	3	0	9	1.0
Bottom of Hill or Grade	13	0	0	13	1.5
Other	0	0	0	0	0.0
Unknown	10	2	0	12	1.4
Total	**740**	**116**	**5**	**861**	**100.0**

Collisions by Roadway Type and Severity

Figure 4.11

Road Type	Property Damage	Personal Injury	Fatal	Total	%
One-Way, Two Lane	2	0	0	2	0.2
One-Way, Multi Lane	1	0	0	1	0.1
Undivided, Two-Way, Two Lane	453	90	5	548	63.6
Undivided, Two-Way, Multi Lane	39	9	0	48	5.6
Divided, Barrier Median	1	2	0	3	0.3
Divided with Median, No Barrier	31	9	0	40	4.6
Divided, Divider Unspecified	0	0	0	0	0.0
Other	208	6	0	214	24.9
Unknown	5	0	0	5	0.6
Total	**740**	**116**	**5**	**861**	**100.0**

Collision Sequence of Events by Severity

Figure 4.12

Non-Moving Objects	Property Damage	Personal Injury	Fatal	Total	%
Hit Parked Trailer	0	0	0	0	0.0
Hit Non-Fixed Object	2	0	0	2	0.2
Hit Building	5	0	0	5	0.6
Hit Ditch	0	0	0	0	0.0
Hit Embankment, Dirt Pile, Rock	2	0	0	2	0.2
Hit Culvert End, Drainage Structure	0	0	0	0	0.0
Hit Tree. Bush, Hedge	0	0	0	0	0.0
Hit Utility Pole, Lamp Pole	6	1	0	7	0.8
Hit Curb	0	0	0	0	0.0
Hit Post	4	0	0	4	0.5
Hit Traffic Barrier	2	0	0	2	0.2
Hit Fixed Object Part of Road Structure	2	0	0	2	0.2
Hit Fixed Object NOT Part of Road Structure	1	0	0	1	0.1
Hit Other Type Fixed Object	2	0	0	2	0.2
Sub Total Fixed Objects	**26**	**1**	**0**	**27**	**3.1**
Moveable Objects					
Another Road Vehicle	564	52	0	616	71.5
Bison	29	2	0	31	3.6
Other Animal	12	0	0	12	1.4
Pedestrian	0	13	0	13	1.5
Other Moveable Object	0	0	0	0	0.0
Sub Total Moveable Objects	**605**	**67**	**0**	**672**	**78.0**
Non-Collision Events					
Ran Off Road	40	0	0	40	4.6
Rollover	36	30	3	69	8.0
Jack Knife or Trailer Swing	0	0	0	0	0.0
Fire or Explosion	0	0	0	0	0.0
Load Spill	0	0	0	0	0.0
Load Shift	0	0	0	0	0.0
Submersion	1	0	0	1	0.1
Other Non-Collision Event	0	0	0	0	0.0
Sub Total Non-Collision Events	**77**	**30**	**3**	**110**	**12.8**
Other/Unknown Event	32	18	2	52	6.0
Grand Total	**740**	**116**	**5**	**861**	**100.0**

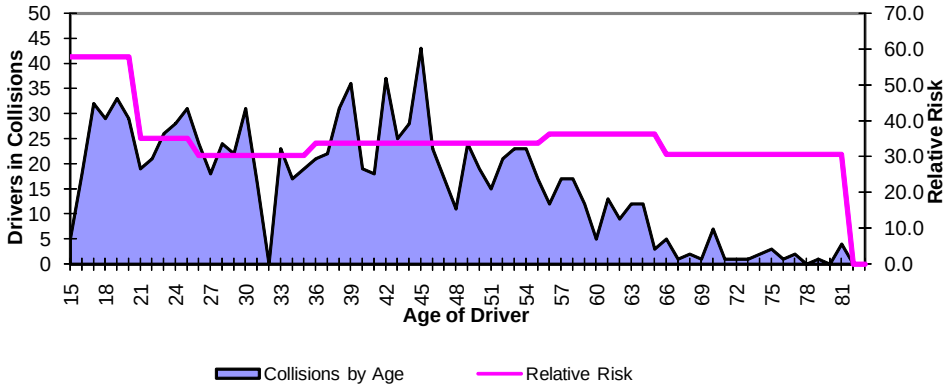
Collision Sequence of Events by Road System Figure 4.13

Non-Moving Objects	NWT Highways	In Communities	Rural	Total	%
Hit Parked Trailer	0	0	0	0	0.0
Hit Non-Fixed Object	1	1	0	2	0.2
Hit Building	0	5	0	5	0.6
Hit Ditch	0	0	0	0	0.0
Hit Embankment, Dirt Pile, Rock	0	2	0	2	0.2
Hit Culvert End, Drainage Structure	0	0	0	0	0.0
Hit Tree. Bush, Hedge	0	0	0	0	0.0
Hit Utility Pole, Lamp Pole	0	7	0	7	0.8
Hit Curb	0	0	0	0	0.0
Hit Post	0	4	0	4	0.5
Hit Traffic Barrier	0	2	0	2	0.2
Hit Fixed Object Part of Road Structure	0	2	0	2	0.2
Hit Fixed Object NOT Part of Road Structure	0	1	0	1	0.1
Hit Other Type Fixed Object	0	2	0	2	0.2
Sub Total Fixed Objects	**1**	**26**	**0**	**27**	**3.1**
Moveable Objects					
Another Road Vehicle	28	585	3	616	71.5
Bison	31	0	0	31	3.6
Other Animal	11	1	0	12	1.4
Pedestrian	0	12	1	13	1.5
Other Moveable Object	0	0	0	0	0.0
Sub Total Moveable Objects	**70**	**598**	**4**	**672**	**78.0**
Non-Collision Events					
Ran Off Road	0	0	0	0	0.0
Rollover	62	6	1	69	8.0
Jack Knife or Trailer Swing	0	0	0	0	0.0
Fire or Explosion	0	0	0	0	0.0
Load Spill	0	0	0	0	0.0
Load Shift	0	0	0	0	0.0
Submersion	0	1	0	1	0.1
Other Non-Collision Event	0	0	0	0	0.0
Sub Total Non-Collision Events	**62**	**7**	**1**	**70**	8.1
Unknown Event	**46**	**46**	**0**	**92**	10.7
Grand Total	**179**	**677**	**5**	**861**	**100.0**

Licensed Drivers and Drivers in Collisions by Driver Age Figure 5.1

	Under 16	16 to 19	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 and Over	Not Stated	**Total**
Licensed Drivers	110	1,256	2,276	5,493	5,532	5,530	3,118	1,008	0	24,323
Drivers in Collisions	12	112	123	233	256	219	121	35	124	1,235

Drivers in Collisions and Relative Risk by Driver Age



Collision Rates (Collisions Per 1,000 Licensed Drivers) by Severity and Driver Age Figure 5.2

	15 to 19	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 and Over	Average Rate
Property Damage	46.2	29.8	24.9	29.3	28.9	33.3	24.6	33.4
Personal Injury & Fatal	11.7	5.4	5.5	4.5	4.9	3.0	6.1	5.4
Total	**57.9**	**35.2**	**30.3**	**33.8**	**33.8**	**36.3**	**30.7**	**38.8**
Relative Risk*	**1.5**	**0.9**	**0.8**	**0.9**	**0.9**	**0.9**	**0.8**	**1.0**

* Relative Risk = (% of drivers in collisions in age group)/(% of total licence holders in age group)

The age of drivers involved in traffic collisions can form the basis of various analysis and countermeasure programs. The reason for this interest is the over-involvement of young drivers in collisions and the disproportionately large number of charges laid as a result of collisions.

Figure 5.1 shows that the relative risk of drivers between the ages of 15 and 19 are 1.5 times more likely to be involved in a collision than the average driving population. On average, 6% of 15 to 19 year olds were involved in collisions, compared to 3% of 35 to 44 year olds.

Other factors such as exposure, risk, experience, alcohol, and vehicle type must be known to fully understand the relationship of driver age and collision involvement. Studies indicate that the risk of having a collision is a factor of driving experience, not just driver age.

Number of Drivers Involved in Collisions by Licence Class and Age

Figure 5.3

Age Group	Class 1	Class 2	Class 3	Class 4	Class 5	Class 6	Class 7	Not Req'd.	No Licence	Not Stated	Total
Under 16	0	0	0	0	0	0	1	4	7	0	12
16	0	0	0	0	13	0	2	1	2	0	18
17	0	0	0	0	27	0	1	2	2	0	32
18	0	0	0	0	23	0	1	3	1	1	29
19	1	0	0	0	25	0	2	1	4	0	33
20	2	0	0	0	24	0	0	1	2	0	29
21-24	2	0	1	2	81	0	1	3	1	3	94
25-34	16	1	9	10	176	0	6	4	7	4	233
35-44	26	5	5	28	185	0	0	1	5	1	256
45-54	20	6	11	20	154	0	2	1	3	2	219
55-64	16	1	5	16	79	0	0	0	0	4	121
65 and over	3	0	0	1	31	0	0	0	0	0	35
Not Stated	0	0	0	0	0	0	0	2	3	119	124
Drivers in Collisions	**86**	**13**	**31**	**77**	**818**	**0**	**16**	**23**	**37**	**134**	**1,235**
Total Licensed Drivers	**1,326**	**192**	**722**	**1,164**	**19,213**	**2**	**1,704**	**N/A**	**N/A**	**N/A**	**24,323**
Relative Risk*	**1.28**	**1.33**	**0.85**	**1.30**	**0.84**	**0.00**	**0.18**	**N/A**	**N/A**	**N/A**	**1.00**

*** Relative Risk = (% of Total Collisions in Class)/(% of Total Licence Holders in Class)**

Number of Drivers Involved in Collisions by Condition and Age

Figure 5.4

Driver Condition	< 16	16	17	18	19	20	21-24	25-34	35-44	45-54	55-64	65+	Not Stated	Total	%
Apparently Normal	0	15	25	23	24	23	70	194	218	183	105	33	1	914	74.0
Fatigued, Fell Asleep	0	0	2	0	0	1	1	1	1	3	0	0	0	9	0.7
Inexperience	10	0	4	0	2	2	3	4	1	1	0	0	1	28	2.3
Under Influence - Alcohol	1	2	1	3	2	0	7	13	11	9	3	0	0	52	4.2
Under Influence - Drugs	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0.1
Sudden Illness, Lost Consciousness	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Other Condition	1	0	0	0	0	1	0	1	0	0	0	1	0	4	0.3
Unknown	0	1	0	3	5	2	13	20	25	23	13	1	121	227	18.4
Total	**12**	**18**	**32**	**29**	**33**	**29**	**94**	**233**	**256**	**219**	**121**	**35**	**124**	1,235	
%	1.0	1.5	2.6	2.3	2.7	2.3	7.6	18.9	20.7	17.7	9.8	2.8	10.0		**100.0**

Number of Drivers Involved in Collisions by Driver Action and Age

Figure 5.5

Driver Action	< 16	16	17	18	19	20	21-24	25-34	35-44	45-54	55-64	65+	Not Stated	Total	%
Driving Properly	0	4	6	7	2	8	27	71	101	80	48	11	0	365	29.6
Following Too Closely	0	2	3	2	1	4	4	9	13	6	5	1	0	50	4.0
Distracted, Inattentive	0	0	4	2	7	3	11	17	19	25	11	4	0	103	8.3
Driving Too Fast	0	4	11	6	4	6	11	34	18	27	5	0	1	127	10.3
Improper Turning or Passing	1	1	0	0	2	0	0	4	5	5	2	0	0	20	1.6
Failing to Yield Right of Way	1	0	0	1	1	0	6	5	8	6	6	0	1	35	2.8
Disobeying Traffic Control/Officer	0	0	1	0	1	0	0	2	0	0	0	0	0	4	0.3
Driving on Wrong Side of Road	1	0	0	0	0	0	1	0	0	0	1	1	1	5	0.4
Driving in Wrong Direction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Backing Unsafely	2	4	5	6	6	4	14	42	48	41	26	9	3	210	17.0
Lost Control	7	3	1	4	7	3	12	37	28	21	12	8	3	146	11.8
Other Driver Action	0	0	0	0	0	1	1	2	0	1	0	0	0	5	0.4
Unknown	0	0	1	1	2	0	7	10	16	7	5	1	115	165	13.4
Total	**12**	**18**	**32**	**29**	**33**	**29**	**94**	**233**	**256**	**219**	**121**	**35**	**124**	**1,235**	
%	1.0	1.5	2.6	2.3	2.7	2.3	7.6	18.9	20.7	17.7	9.8	2.8	10.0		**100.0**

Number of Vehicles in Collisions by Vehicle Type and Severity

Figure 6.1

Vehicle Type	Property Damage	Personal Injury	Fatal	Total	%
Passenger Car	366	33	1	400	26.8
Passenger Van	139	11	0	150	10.0
Light Utility Vehicle	207	22	2	231	15.5
Pickup Truck	414	62	0	476	31.9
Panel/Cargo Van	23	11	1	35	2.3
Other Truck/Van <= 4536 kg	6	1	0	7	0.5
Unit Truck > 4536 kg	16	2	0	18	1.2
Road Tractor	26	3	0	29	1.9
School Bus	1	0	0	1	0.1
Small School Bus	0	0	0	0	0.0
Urban Transit Bus	2	1	0	3	0.2
Intercity Bus	0	0	0	0	0.0
Bus - Unspecified	0	0	0	0	0.0
Motorcycle	0	4	0	4	0.3
Limited Speed Motorcycle	0	0	0	0	0.0
Off Road Vehicles (ATV)	2	4	1	7	0.5
Bicycle	0	2	0	2	0.1
Motor Home	1	0	0	1	0.1
Farm Equipment	0	0	0	0	0.0
Construction Equipment	3	0	0	3	0.2
Fire Engine	0	0	0	0	0.0
Snowmobile	5	17	0	22	1.5
Streetcar	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unknown	104	1	0	105	7.0
Total	**1315**	**174**	**5**	**1494**	100.0

Number of Vehicles in Collisions by Vehicle Condition and Severity

Figure 6.2

Vehicle Condition	Property Damage	Personal Injury	Fatal	Total	%
No Apparent Defect	1073	137	3	1213	81.2
Defective Brakes	1	1	0	2	0.1
Defective Steering	0	0	0	0	0.0
Defective Lighting	1	1	0	2	0.1
Tire Blown Out	1	1	0	2	0.1
Unsecured Load, Spilled Load	0	0	0	0	0.0
Oversized Load, Overload	1	1	0	2	0.1
Visibility Obstructed	9	3	0	12	0.8
Other Defective Vehicular Parts	5	1	0	6	0.4
Other Vehicular Factor	2	0	0	2	0.1
Unknown	222	29	2	253	16.9
Total	**1315**	**174**	**5**	**1494**	100.0

Number of Vehicles in Collisions by Vehicle Manoeuvre and Severity

Figure 6.3

Vehicle Manoeuvre	Property Damage	Personal Injury	Fatal	Total	%
Going Straight Ahead	332	95	3	430	28.8
Turning Left	71	8	1	80	5.4
Turning Right	35	8	0	43	2.9
Making U-Turn	3	2	0	5	0.3
Changing Lanes	8	0	0	8	0.5
Merging	0	0	0	0	0.0
Reversing	220	7	0	227	15.2
Overtaking	1	1	0	2	0.1
Negotiating Curve	56	10	1	67	4.5
Slowing or Stopped in Traffic	165	33	0	198	13.3
Starting in Traffic	2	0	0	2	0.1
Leaving Roadside	6	1	0	7	0.5
Stopped/Parked Legally	290	8	0	298	19.9
Stopped/Parked Illegally	9	0	0	9	0.6
Swerving to Avoid Collision	10	0	0	10	0.7
Run-away or Roll-away Vehicle	3	0	0	3	0.2
Unspecified Manoeuvre	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unknown	104	1	0	105	7.0
Total	**1315**	**174**	**5**	**1494**	100.0

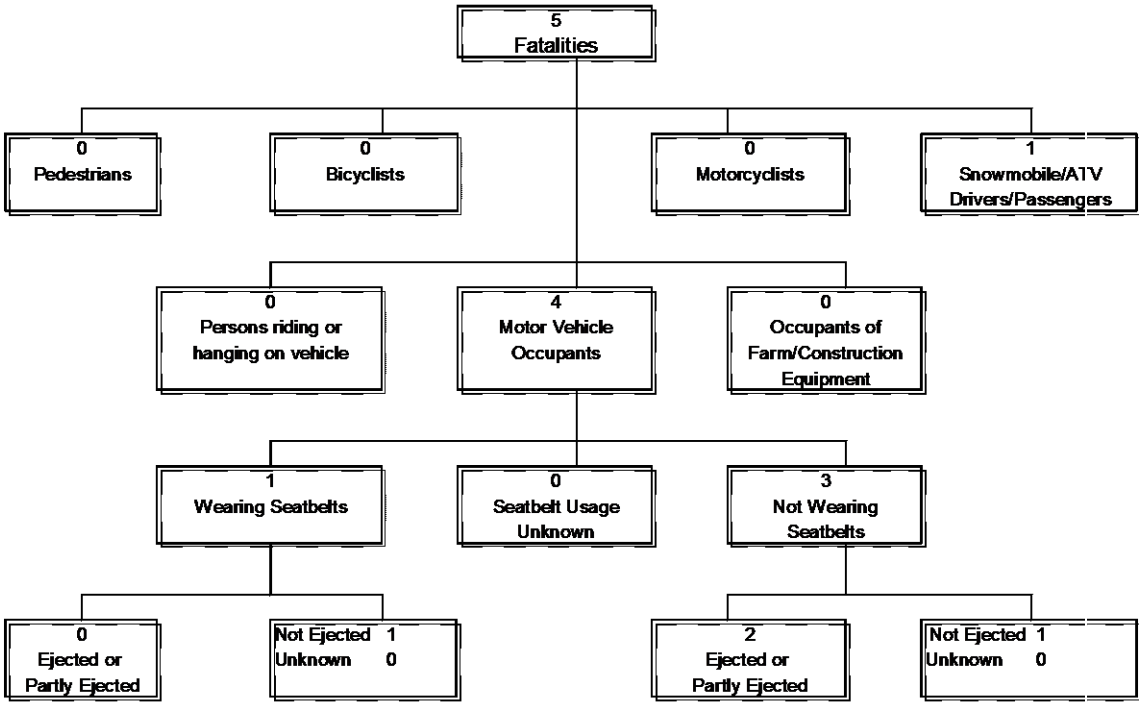
Number of Vehicles in Collisions by Vehicle Year and Severity

Figure 6.4

Model Year	Property Damage	Personal Injury	Fatal	Total	%
2009	6	1	0	7	0.5
2008	116	14	0	130	8.7
2007	169	17	0	186	12.4
2006	137	14	1	152	10.2
2005	119	14	0	133	8.9
2004	102	11	1	114	7.6
2003	89	12	0	101	6.8
2002	89	6	0	95	6.4
2001	57	12	0	69	4.6
2000	62	14	0	76	5.1
1999	42	8	1	51	3.4
1998	32	8	1	41	2.7
1997 & Older	180	27	1	208	13.9
Unspecified	115	16	0	131	8.8
Total	**1315**	**174**	**5**	**1494**	100.0

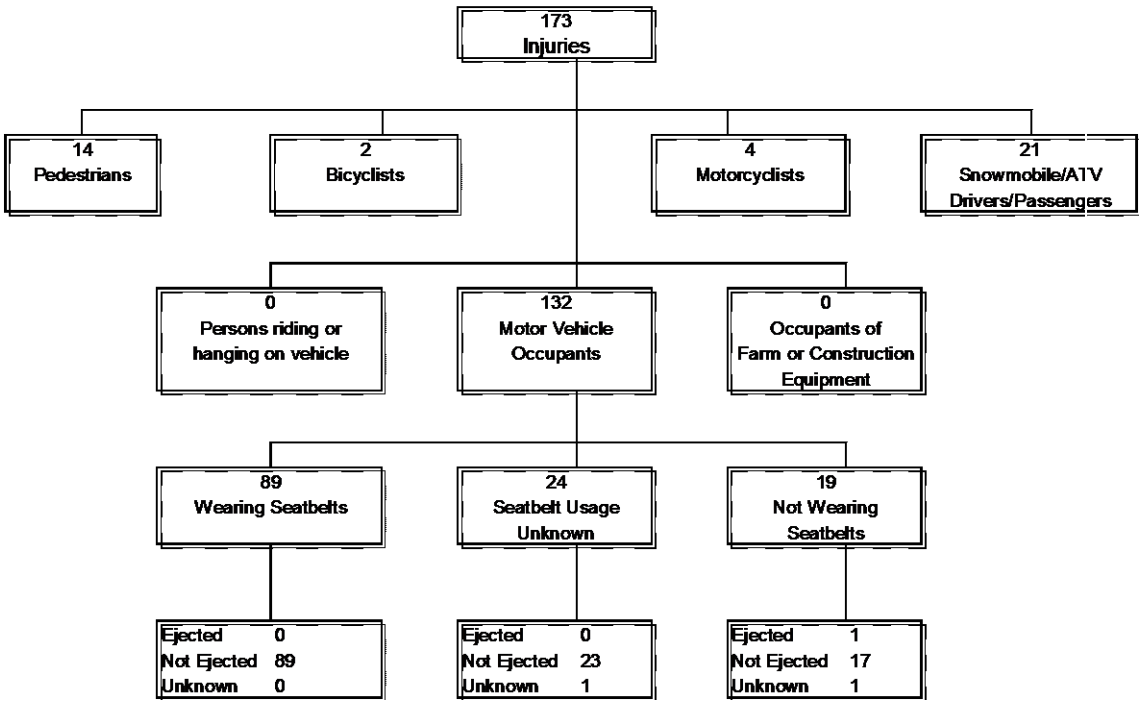
Fatalities Classification
(January 1 to December 31, 2008)

Figure 7.1



Injuries Classification
(January 1 to December 31, 2008)

Figure 7.2



Persons Injured by Road User Class and Age Group Figure 7.3

Road User Class	0 to 4	5 to 14	15 to 19	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 & older	Not Stated	Total	%
Motor Vehicle Driver	0	1	8	8	16	16	16	3	3	1	**72**	41.6
Motor Vehicle Passenger	2	6	16	4	6	1	7	2	9	7	**60**	34.7
Pedestrian	0	3	1	2	3	1	1	0	2	1	**14**	8.1
Bicyclist	0	0	0	2	0	0	0	0	0	0	**2**	1.2
Motorcyclist (includes passengers	0	1	0	0	2	0	1	0	0	0	**4**	2.3
ATV Operators & Passengers	0	1	0	0	1	1	2	0	0	0	**5**	2.9
Snowmobile Operators & Passengers	0	3	6	2	2	1	1	0	0	1	**16**	9.2
Farm/Construction Equipment	0	0	0	0	0	0	0	0	0	0	**0**	0.0
Other	0	0	0	0	0	0	0	0	0	0	**0**	0.0
Unspecified	0	0	0	0	0	0	0	0	0	0	**0**	0.0
Total	**2**	**15**	**31**	**18**	**30**	**20**	**28**	**5**	**14**	**10**	**173**	100.0

Persons Killed by Road User Class and Age Group Figure 7.4

Road User Class	0 to 4	5 to 14	15 to 19	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 & older	Not Stated	Total	%
Motor Vehicle Driver	0	0	0	1	0	0	1	0	0	0	**2**	40.0
Motor Vehicle Passenger	0	0	1	0	1	0	0	0	0	0	**2**	40.0
Pedestrian	0	0	0	0	0	0	0	0	0	0	**0**	0.0
Bicyclist	0	0	0	0	0	0	0	0	0	0	**0**	0.0
Motorcyclist (includes passengers	0	0	0	0	0	0	0	0	0	0	**0**	0.0
ATV Operators & Passengers	0	0	0	0	1	0	0	0	0	0	**1**	20.0
Snowmobile Operators & Passengers	0	0	0	0	0	0	0	0	0	0	**0**	0.0
Farm/Construction Equipment	0	0	0	0	0	0	0	0	0	0	**0**	0.0
Other	0	0	0	0	0	0	0	0	0	0	**0**	0.0
Unspecified	0	0	0	0	0	0	0	0	0	0	**0**	0.0
Total	**0**	**0**	**1**	**1**	**2**	**0**	**1**	**0**	**0**	**0**	5	100.0

Persons Injured or Killed by Road User Class and Gender Figure 7.5

	Persons Injured				Persons Killed			
Road User Class	Male	Female	Unknown	Total	Male	Female	Unknown	Total
Motor Vehicle Driver	37	35	0	**72**	2	0	0	**2**
Motor Vehicle Passenger	24	36	0	**60**	0	2	0	**2**
Pedestrian	5	9	0	**14**	0	0	0	**0**
Bicyclist	1	1	0	**2**	0	0	0	**0**
Motorcyclist (includes passengers)	4	0	0	**4**	0	0	0	**0** **0**
ATV Operators & Passengers	5	0	0	**5**	1	0	0	**1**
Snowmobile Operators & Passengers	11	5	0	**16**	0	0	0	**0**
Farm/Construction Equipment	0	0	0	**0**	0	0	0	**0**
Other	0	0	0	**0**	0	0	0	**0**
Unspecified	0	0	0	**0**	0	0	0	**0**
Total	**87**	**86**	**0**	173	**3**	**2**	**0**	5

Motor Vehicle* Occupants by Injury Severity and Restraint Use

Figure 7.6

Injury Severity	Not Restrained	Lap Belt Only	Lap & Torso Belt	Child Restraint Device	Restraint Use Unknown	Total	%
Not Injured	79	11	1043	28	516	**1677**	92.5
Minimal Injuries	9	0	40	1	14	**64**	3.5
Minor Injuries	6	0	41	0	6	**53**	2.9
Major (Hospital Admission)	2	0	4	0	3	**9**	0.5
Fatal	3	0	1	0	0	**4**	0.2
Injured - Extent Unknown	2	0	3	0	1	**6**	0.3
Total	**101**	**11**	**1132**	**29**	**540**	**1813**	100.0

* Excludes occupants of motorcycles, mopeds, snowmobiles, all-terrain vehicles, and farm/construction equipment

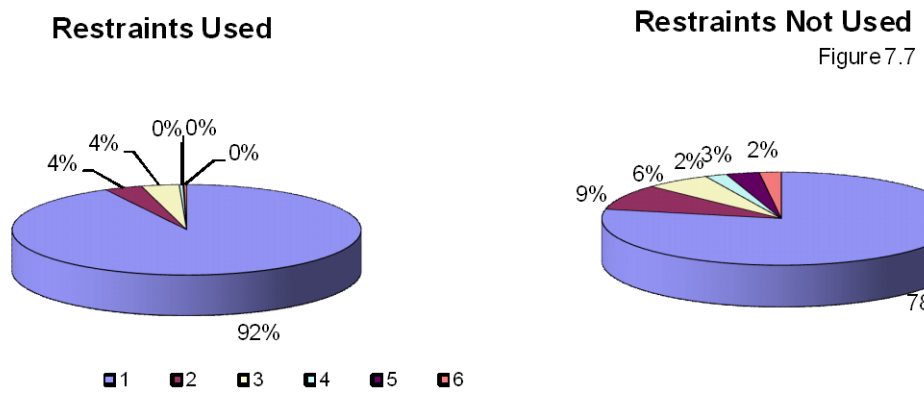


Figure 7.7

1. Not Injured 2. Minor 3. Moderate 4. Major 5. Fatal 6. Injured - extent unknown

Note: The totals used to calculate the percentages in Figures 7.2 and 7.3 do not include occupants where seat belt use was coded as "unknown".

Injury Classification

1 Not Injured - no visible signs or any complaint of injury
2 Minor - minor complaint of injury by victim, but no medical treatment required
3 Moderate - an injury requiring medical attention but not serious enough to require hospital admission
4 Major - an injury serious enough to require hospital admission
5 Fatal - death within 30 days as a result of injuries incurred in the traffic collision
6 Injured- Extent Unknown - victim sustained injuries, precise extent unknown

Motor Vehicle* Occupants by Injury Severity & Age Group

Figure 7.8

Restraints Used

Injury Severity	0 to 4	5 to 14	15 to 19	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 & older	Not Stated	Total
Not Injured	34	52	157	98	184	200	166	93	21	77	1082
Minimal Injuries	2	1	7	3	5	5	5	2	7	4	41
Minor Injuries	0	0	6	5	10	7	9	0	3	1	41
Major (Hospital Admission)	0	0	0	0	0	1	2	1	0	0	4
Fatal	0	0	0	0	0	0	1	0	0	0	1
Injured - Extent Unknown	0	0	0	0	0	0	1	0	0	2	3
Total	**36**	**53**	**170**	**106**	**199**	**213**	**184**	**96**	**31**	**84**	**1172**

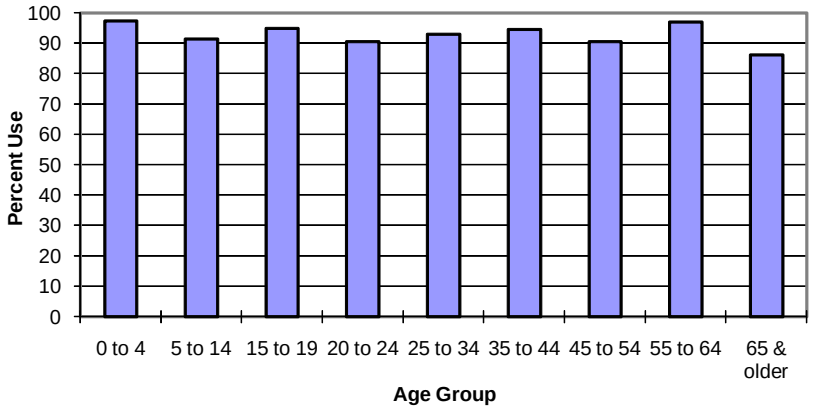
Restraints Not Used

Injury Severity	0 to 4	5 to 14	15 to 19	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 & older	Not Stated	Total
Not Injured	1	3	5	6	11	11	15	3	3	21	79
Minimal Injuries	0	1	3	2	2	0	0	0	1	0	9
Minor Injuries	0	1	0	1	1	0	3	0	0	0	6
Major (Hospital Admission)	0	0	0	0	0	1	1	0	0	0	2
Fatal	0	0	1	1	1	0	0	0	0	0	3
Injured - Extent Unknown	0	0	0	1	0	0	0	0	1	0	2
Total	**1**	**5**	**9**	**11**	**15**	**12**	**19**	**3**	**5**	**21**	**101**

* Excludes occupants of motorcycles, mopeds, snowmobiles, all-terrain vehicles, and farm/construction equipment

Victim Restraint Use Rate by Victim Age

Figure 7.9



Pedestrians Injured or Killed by Age Group

Figure 8.1

	0 to 4	5 to 14	15 to 19	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 & older	Not Stated	Total	%
Injured	0	3	1	2	3	1	1	0	2	1	14	100.0
Killed	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	**0**	**3**	**1**	**2**	**3**	**1**	**1**	**0**	**2**	**1**	**14**	
%	0.0	21.4	7.1	14.3	21.4	7.1	7.1	0.0	14.3	7.1	100.0	

Pedestrians Injured or Killed by Pedestrian Action and Age Group

Figure 8.2

Pedestrian Action	0 to 4	5 to 14	15 to 19	20 to 24	25 to 34	35 to 44	45 to 54	55 to 64	65 & older	Not Stated	Total	%
Crossing Intersection With Traffic Control, With Right-of-Way	0	0	0	0	2	0	0	0	1	0	3	21.4
Crossing Intersection With Traffic Control, Without Right-of-Way	0	0	0	0	1	0	1	0	0	0	2	14.3
Crossing Intersection - No Traffic Control	0	0	0	0	0	0	0	0	0	0	0	0.0
Crossing Roadway at Crosswalk	0	0	0	0	0	0	0	0	0	0	0	0.0
Crossing Roadway Not at Intersection	0	0	1	0	0	0	0	0	0	0	1	7.1
Walking Along Roadway Against Traffic	0	1	0	0	0	0	0	0	0	0	1	7.1
Walking Along Roadway With Traffic	0	0	0	2	0	0	0	0	0	0	2	14.3
On Sidewalk, Median, Safety Zone	0	0	0	0	0	1	0	0	0	0	1	7.1
Walking on Travelled Part of Roadway Against Traffic	0	0	0	0	0	0	0	0	0	0	0	0.0
Walking on Travelled Part of Roadway With Traffic	0	0	0	0	0	0	0	0	0	0	0	0.0
Coming from Behind Parked Vehicle/Object on Roadside	0	0	0	0	0	0	0	0	0	1	1	7.1
Coming from Behind Moving Vehicle	0	0	0	0	0	0	0	0	0	0	0	0.0
Running into Roadway	0	0	0	0	0	0	0	0	0	0	0	0.0
Getting On/Off School Bus	0	0	0	0	0	0	0	0	0	0	0	0.0
Getting On/Off Other Vehicles	0	0	0	0	0	0	0	0	0	0	0	0.0
Pushing Vehicle on Road	0	0	0	0	0	0	0	0	0	0	0	0.0
Working on Vehicle on Side of Road	0	0	0	0	0	0	0	0	0	0	0	0.0
Playing on Roadway	0	2	0	0	0	0	0	0	0	0	2	14.3
Working on Roadway	0	0	0	0	0	0	0	0	0	0	0	0.0
Lying on Road	0	0	0	0	0	0	0	0	0	0	0	0.0
Other	0	0	0	0	0	0	0	0	1	0	1	7.1
Unknown	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	**0**	**3**	**1**	**2**	**3**	**1**	**1**	**0**	**2**	**1**	**14**	**100.0**

Pedestrians Injured or Killed By Place of Occurrence and Injury Severity

Figure 8.3

Place of Occurrence	Killed	Injured	Total	%
Urban	0	13	**13**	92.9
Rural	0	1	**1**	7.1
Unspecified	0	0	**0**	0.0
Total	**0**	**14**	**14**	100.0

Pedestrians Injured or Killed by Collision Site

Figure 8.4

Accident Site	Killed	Injured	Total	%
Non-Intersection	0	6	**6**	42.9
At Intersection of At Least Two Roadways	0	6	**6**	42.9
Intersection With Parking Lot/Driveway/Alley	0	2	**2**	14.3
Railroad Level Crossing	0	0	**0**	0.0
Bridge/Overpass/Viaduct	0	0	**0**	0.0
Tunnel or Underpass	0	0	**0**	0.0
Passing Lane/Climbing Lane	0	0	**0**	0.0
Other	0	0	**0**	0.0
Unspecified	0	0	**0**	0.0
Total	**0**	**14**	**14**	100.0

Pedestrians Injured or Killed by Pedestrian Condition

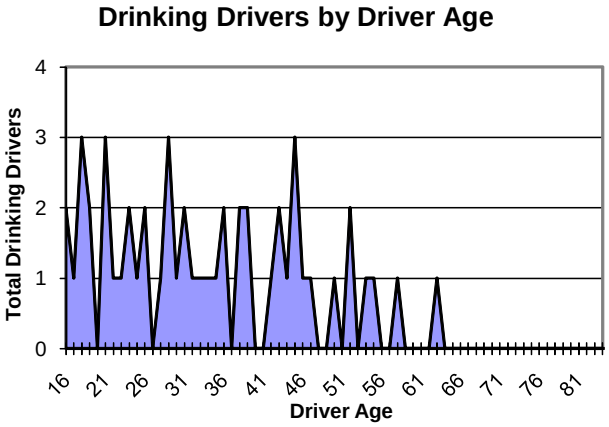
Figure 8.5

Pedestrian Condition	Killed	Injured	Total	%
Apparently Normal	0	12	12	85.7
Had Been Drinking	0	0	0	0.0
Impaired by Alcohol	0	0	0	0.0
Unknown	0	2	2	14.3
Total	**0**	**14**	**14**	100.0

Drinking Drivers in Collisions by Driver Age and Gender

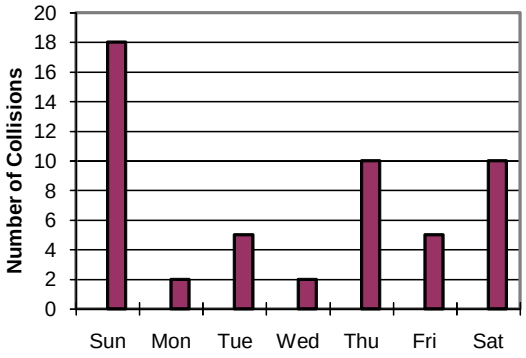
Figure 9.1

Driver Age	Male	Female	Not Stated	Total Drinking Drivers
Under 16	0	1	0	**1**
16	1	1	0	**2**
17	0	1	0	**1**
18	2	1	0	**3**
19	1	1	0	**2**
20	0	0	0	**0**
21 to 24	6	1	0	**7**
25 to 34	12	1	0	**13**
35 to 44	9	2	0	**11**
45 to 54	6	3	0	**9**
55 to 64	3	0	0	**3**
65 & Older	0	0	0	**0**
Not Stated	0	0	0	**0**
Total	**40**	**12**	**0**	**52**



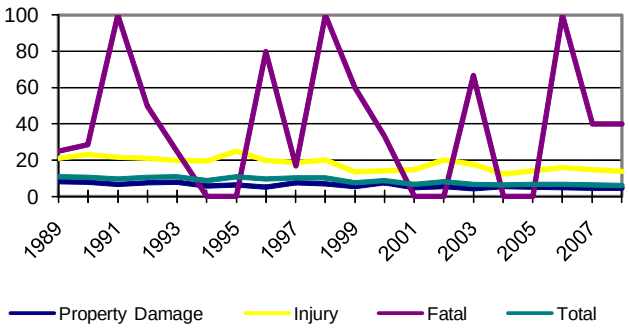
Collisions Involving Alcohol by Day of Week

Figure 9.2



Percentage of Collisons Involving Alcohol by Year and Severity

Figure 9.3



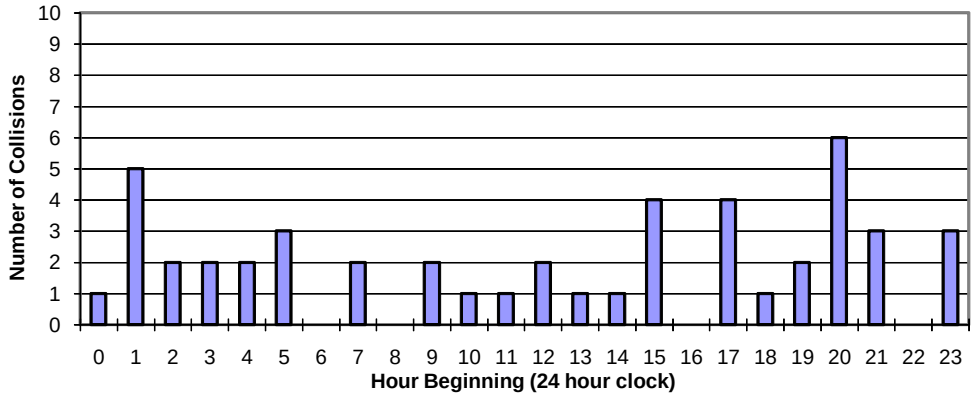
Number of Collisions and Victims Involving Alcohol

Figure 9.4

	Number of Collisions					Number of Victims			
Year	Property Damage	Personal Injury	Fatal	Total	% of Total Collisions	Injured	Killed	Total	% of Total Victims
1998	31	27	2	60	10.2	45	2	47	23.7
1999	29	21	3	53	7.7	54	5	59	20.8
2000	41	18	1	60	8.8	30	3	33	17.6
2001	27	21	0	48	6.7	36	0	36	17.3
2002	36	31	0	67	8.3	59	0	59	25.1
2003	29	23	2	54	6.6	35	2	37	21.1
2004	36	14	0	50	6.3	21	0	21	13.6
2005	33	18	0	51	6.5	25	0	25	13.3
2006	27	14	2	43	6.6	19	2	21	18.4
2007	27	17	2	46	6.2	31	2	33	20.5
2008	34	16	2	52	6.0	24	2	26	14.6
Average	**32**	**20**	**1**	**53**	**7.3**	**34**	**2**	**36**	**18.7**

Number of Alcohol Related Collisions by Time of Day

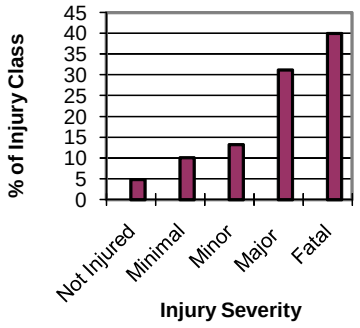
Figure 9.5



Injury Severity by Alcohol Involvement

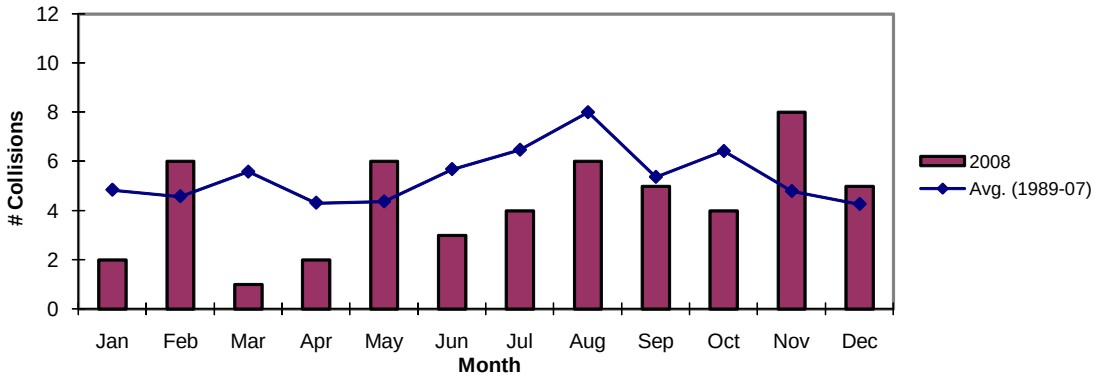
Figure 9.6

Injury Severity	Alcohol Involvement Yes	Alcohol Involvement No	Totals	% with Alcohol
Not Injured	83	1,612	1695	4.9
Minimal Injuries	8	71	79	10.1
Minor	9	59	68	13.2
Major	5	11	16	31.3
Fatal	2	3	5	40.0
Injured - Extent Unknown	2	8	10	20.0
Total	**109**	**1764**	**1873**	**5.8**



Alcohol-Involved Collisions by Month

Figure 9.7



Off-Road Vehicle Collisions by Month and Severity

Figure 10.1

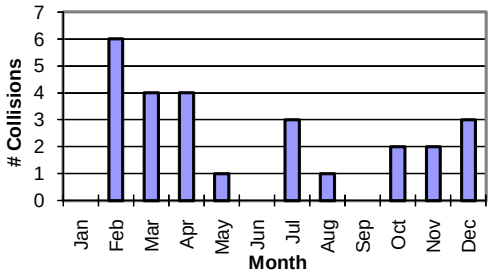
	Number of Collisions				Number of Victims	
Month	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
January	0	0	0	0	0	0
February	0	6	0	6	6	0
March	2	2	0	4	3	0
April	3	1	0	4	2	0
May	0	1	0	1	2	0
June	0	0	0	0	0	0
July	0	2	1	3	2	1
August	0	1	0	1	1	0
September	0	0	0	0	0	0
October	1	1	0	2	1	0
November	1	1	0	2	3	0
December	0	3	0	3	3	0
Total	**7**	**18**	**1**	**26**	**23**	**1**

Off-Road Vehicle Collisions by Vehicle Type

Figure 10.2

	Snowmobile	ATV	Total
Total Victims	**16**	**6**	**22**
Killed	0	1	1
Injured	16	5	21
Total Vehicles Involved	**22**	**7**	**29**
Fatal	0	1	1
Injury	17	4	21
Property Damage	5	2	7

Off-Road Vehicle Collisions by Month



Off-Road Vehicle Drivers in Collisions by Driver Age and Gender Figure 10.3

	Snowmobile			ATV				
Age Group	Male	Female	Unknown	Male	Female	Unknown	Total	%
0 to 4	0	0	0	0	0	0	0	0.0
5 to 14	0	2	0	1	0	0	3	10.7
15 to 19	7	2	0	0	1	0	10	35.7
20 to 24	1	1	0	0	0	0	2	7.1
25 to 34	3	1	0	2	0	0	6	21.4
35 to 44	1	0	0	2	0	0	3	10.7
45 to 54	1	0	0	0	0	0	1	3.6
55 to 64	0	0	0	0	0	0	0	0.0
65 & Over	0	0	0	0	0	0	0	0.0
Unknown	0	0	2	1	0	0	3	10.7
Total	13	6	2	6	1	0	28	100.0

Off-Road Vehicle Collisions by Severity and Driver Condition Figure 10.4

Driver Condition	Property Damage	Personal Injury	Fatal	Total	%
Apparently Normal	1	8	0	9	33.3
Fatigue/Fell Asleep	0	0	0	0	0.0
Inexperience	1	3	0	4	14.8
Under Influence - Alcohol	2	7	0	9	33.3
Under Influence - Drugs	0	0	0	0	0.0
Sudden Illness, Lost Consiousness	0	0	0	0	0.0
Other Condition	0	0	0	0	0.0
Unknown	3	1	1	5	18.5
Total	7	19	1	27	100.0

Off-Road Vehicle Collisions by Severity and Driver Action

Figure 10.5

Driver Action	Property Damage	Personal Injury	Fatal	Total	%
Driving Properly	1	1	0	2	7.4
Following Too Closely	0	0	0	0	0.0
Distracted, Inattentive	0	3	0	3	11.1
Driving Too Fast for Conditions	2	4	1	7	25.9
Improper Turning or Passing	0	1	0	1	3.7
Failed to Yield Right-of-Way	0	1	0	1	3.7
Disobeyed Traffic Control or Officer	0	2	0	2	7.4
Driving on Wrong Side of Road	1	1	0	2	7.4
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	1	0	0	1	3.7
Lost Control	1	4	0	5	18.5
Other	0	0	0	0	0.0
Unknown	1	2	0	3	11.1
Total	**7**	**19**	**1**	**27**	**100.0**

Off-Road Vehicle Occupants by Injury Severity and Helmet Use

Figure 10.6

Injury Severity	Helmet Worn	Helmet Not Worn	Unknown	Total	%
Not Injured	1	12	3	16	42.1
Minimal Injuries	1	6	0	7	18.4
Minor Injuries	1	7	0	8	21.1
Major (Hospital Admission)	0	3	0	3	7.9
Fatal	1	0	0	1	2.6
Injured - Extent Unknown	0	3	0	3	7.9
Total	**4**	**31**	**3**	**38**	**100.0**

Collisions by Region, RCMP Detachment and Severity

Figure 11.1

A - Inuvik Region

RCMP Detachment	Number of Collisions: Property Damage	Personal Injury	Fatal	Total	Number of Victims: Injured	Killed
Aklavik	2	3	0	5	5	0
Deline	6	2	0	8	2	0
Fort Good Hope	9	0	0	9	0	0
Fort McPherson	9	6	0	15	11	0
Holman	1	5	0	6	8	0
Inuvik	58	9	0	67	14	0
Norman Wells	10	2	0	12	10	0
Sachs Harbour	0	0	0	0	0	0
Tuktoyaktuk	2	2	1	5	2	1
Tulita	4	0	0	4	0	0
Sub Total Inuvik Region	**101**	**29**	**1**	**131**	**52**	**1**

B - Fort Simpson Region

RCMP Detachment	Number of Collisions: Property Damage	Personal Injury	Fatal	Total	Number of Victims: Injured	Killed
Fort Liard	2	1	1	4	3	1
Fort Simpson	22	4	0	26	6	0
Sub Total Fort Simpson Region	**24**	**5**	**1**	**30**	**9**	**1**

C - South Slave Region

RCMP Detachment	Number of Collisions: Property Damage	Personal Injury	Fatal	Total	Number of Victims: Injured	Killed
Hay River	82	14	0	96	23	0
Fort Providence	20	6	0	26	9	0
Fort Resolution	5	2	0	7	2	0
Fort Smith	24	7	2	33	10	2
Lutsel K'e	0	0	0	0	0	0
Sub Total South Slave Region	**131**	**29**	**2**	**162**	**44**	**2**

D - North Slave Region

RCMP Detachment	Number of Collisions: Property Damage	Personal Injury	Fatal	Total	Number of Victims: Injured	Killed
Rae/Wha Ti	47	12	1	60	20	1
Yellowknife	437	41	0	478	48	0
Sub Total North Slave Region	**484**	**53**	**1**	**538**	**68**	**1**
Total - All Regions	**740**	**116**	**5**	**861**	**173**	**5**

Collision Rates by Region and RCMP Detachment Figure 11.2

A - Inuvik Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (2008 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Aklavik	5	191	133	655	2.62	3.76	0.76
Deline	8	163	126	541	4.91	6.35	1.48
Fort Good Hope	9	187	153	718	4.81	5.88	1.25
Fort McPherson	15	309	302	1,033	4.85	4.97	1.45
Ulukhaktok	6	62	112	451	9.68	5.36	1.33
Inuvik	67	1,797	1,995	3,608	3.73	3.36	1.86
Norman Wells	12	496	789	869	2.42	1.52	1.38
Sachs Harbour	0	31	38	126	0.00	0.00	0.00
Tuktoyaktuk	5	265	303	1,197	1.89	1.65	0.42
Tulita	4	164	155	564	2.44	2.58	0.71
Sub Total Inuvik Region	**131**	**3,665**	**4,106**	**9,762**	**3.57**	**3.19**	**1.34**

B - Fort Simpson Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (2008 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Fort Liard	4	224	264	582	1.79	1.52	0.69
Fort Simpson	26	906	1,109	1,653	2.87	2.34	1.57
Sub Total Fort Simpson Region	**30**	**1,130**	**1,373**	**2,235**	**2.65**	**2.18**	**1.34**

C - South Slave Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (2008 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Hay River	96	2,781	4,886	4,261	3.45	1.96	2.25
Fort Providence	26	260	416	756	10.00	6.25	3.44
Fort Resolution	7	241	294	499	2.90	2.38	1.40
Fort Smith	33	1,484	2,022	2,459	2.22	1.63	1.34
Lutsel K'e	0	74	77	349	0.00	0.00	0.00
Sub Total South Slave Region	**162**	**4,840**	**7,695**	**8,324**	**3.35**	**2.11**	**1.95**

D - North Slave Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (2008 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Behchoko/Whati	60	1,008	974	3,025	5.95	6.16	1.98
Yellowknife	478	13,680	16,894	19,520	3.49	2.83	2.45
Sub Total North Slave Region	**538**	**14,688**	**17,868**	**22,545**	**3.66**	**3.01**	**2.39**
Total - All Regions	**861**	**24,323**	**31,042**	**43,283**	**3.54**	**2.77**	**1.99**

[1] Number of registered vehicles and licensed drivers are as of December 31,2008.

[2] 2008 population from NWT Bureau of Statistics July 1 estimate published in 'Quarterly Report', March 2009.

Collisions on the NWT Highway System Figure 11.3

Highway #1 (Mackenzie)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	2.0	9 Jan 2008	Property Damage	Single Vehicle Rollover	0	0
	2.0	8 Nov 2008	Property Damage	Sideswipe - Same Direction	0	0
	5.0	15 Feb 2008	Injury	Single Vehicle Rollover	3	0
	33.0	5 Nov 2008	Property Damage	Ran Off Road - Left	0	0
	68.0	21 Jan 2008	Property Damage	Collision with Fixed Object	0	0
	68.3	15 Nov 2008	Property Damage	Collision with Other Animal	0	0
	78.8	27 Dec 2008	Property Damage	Single Vehicle Rollover	0	0
	81.0	1 Jan 2008	Property Damage	Ran Off Road - Right	0	0
	83.0	29 Feb 2008	Injury	Single Vehicle Rollover	1	0
	90.0	10 Aug 2008	Injury	Ran Off Road - Left	1	0
	93.0	26 Jan 2008	Property Damage	Ran Off Road - Right	0	0
	108.0	13 Feb 2008	Property Damage	Single Vehicle Rollover	0	0
	142.0	31 Jul 2008	Property Damage	Collision with Other Animal	0	0
	168.0	30 Dec 2008	Injury	Single Vehicle Rollover	2	0
	172.0	7 Feb 2008	Property Damage	Collision with Parked Vehicle	0	0
	179.0	14 Mar 2008	Property Damage	Ran Off Road - Right	0	0
	182.0	7 Feb 2008	Property Damage	Ran Off Road - Right	0	0
	208.0	16 Feb 2008	Property Damage	Ran Off Road - Left	0	0
	220.0	11 Jan 2008	Injury	Single Vehicle Rollover	1	0
	234.0	2 Aug 2008	Property Damage	Single Vehicle Rollover	0	0
	410.0	11 Jan 2008	Property Damage	Ran Off Road - Left	0	0
	534.0	29 Jan 2008	Property Damage	Single Vehicle Rollover	0	0
	625.0	3 Jul 2008	Property Damage	Ran Off Road - Left	0	0
	655.0	6 Aug 2008	Property Damage	Single Vehicle Rollover	0	0

Summary Highway #1	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	19	5	0	24	8	0

Highway #2 (Hay River)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	4.0	1 Dec 2008	Property Damage	Single Vehicle Rollover	0	0
	10.0	15 Feb 2008	Property Damage	Single Vehicle Rollover	0	0
	27.5	22 Aug 2008	Injury	Single Vehicle Rollover	3	0
	33.0	29 Nov 2008	Injury	Left Turn Across Path	3	0
	35.6	27 Jul 2008	Injury	Ran Off Road - Left	1	0
	37.0	28 Feb 2008	Property Damage	Ran Off Road - Right	0	0
	37.1	17 Apr 2008	Property Damage	Ran Off Road - Right	0	0
	37.4	7 Jul 2008	Property Damage	Right Angle	0	0
	37.4	17 Dec 2008	Property Damage	Other Multi-Vehicle Different Direction	0	0
	38.0	26 Feb 2008	Injury	Rear End	1	0
	38.0	23 Oct 2008	Property Damage	Collision with Fixed Object	0	0
	39.7	22 Nov 2008	Property Damage	Collision with Fixed Object	0	0
	40.9	14 Dec 2008	Property Damage	Head-on	0	0
	43.5	19 Jan 2008	Property Damage	Collision with Fixed Object	0	0
	43.8	29 Mar 2008	Property Damage	Single Vehicle Rollover	0	0

Summary Highway #2	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	11	4	0	15	8	0

Highway #3 (Yellowknife)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	1.0	8 Nov 2008	Injury	Single Vehicle Rollover	3	0
	10.0	22 Jan 2008	Property Damage	Collision with Other Animal	0	0
	17.2	13 Mar 2008	Property Damage	Single Vehicle Rollover	0	0
	17.2	29 Aug 2008	Property Damage	Rear End	0	0
	34.0	18 Oct 2008	Property Damage	Collision with Bison	0	0
	35.0	16 Aug 2008	Property Damage	Collision with Bison	0	0
	36.0	31 Aug 2008	Property Damage	Collision with Bison	0	0
	38.0	30 Sep 2008	Property Damage	Collision with Bison	0	0
	38.0	10 Oct 2008	Property Damage	Collision with Bison	0	0
	73.0	24 Oct 2008	Property Damage	Collision with Bison	0	0
	80.0	21 Oct 2008	Property Damage	Collision with Bison	0	0
	86.0	15 Dec 2008	Property Damage	Rear End	0	0
	116.0	26 Jan 2008	Injury	Single Vehicle Rollover	2	0
	120.0	21 Oct 2008	Property Damage	Collision with Bison	0	0
	124.0	12 Oct 2008	Property Damage	Collision with Bison	0	0
	138.0	22 Oct 2008	Property Damage	Collision with Bison	0	0
	140.0	20 Sep 2008	Property Damage	Collision with Bison	0	0
	140.0	23 Oct 2008	Property Damage	Collision with Bison	0	0
	160.0	19 Oct 2008	Property Damage	Collision with Bison	0	0
	170.0	5 Nov 2008	Property Damage	Collision with Bison	0	0
	172.0	21 Mar 2008	Property Damage	Ran Off Road - Right	0	0
	187.0	20 Dec 2008	Injury	Collision with Bison	1	0
	198.0	28 Oct 2008	Property Damage	Collision with Bison	0	0
	200.0	9 Oct 2008	Property Damage	Collision with Bison	0	0
	200.0	30 Dec 2008	Property Damage	Collision with Other Animal	0	0
	210.0	22 Oct 2008	Property Damage	Collision with Bison	0	0
	214.0	5 Nov 2008	Property Damage	Collision with Bison	0	0
	217.0	3 Nov 2008	Property Damage	Ran Off Road - Right	0	0
	220.0	16 Nov 2008	Property Damage	Collision with Other Animal	0	0
	225.0	8 Oct 2008	Property Damage	Collision with Bison	0	0
	229.0	25 May 2008	Property Damage	Single Vehicle Rollover	0	0
	232.0	5 Aug 2008	Property Damage	Collision with Bison	0	0
	237.5	16 Feb 2008	Property Damage	Ran Off Road - Left	0	0
	243.0	7 Oct 2008	Property Damage	Collision with Bison	0	0
	250.0	13 Mar 2008	Injury	Single Vehicle Rollover	2	0
	251.0	UU Jan 2008	Property Damage	Single Vehicle Rollover	0	0
	255.0	13 Sep 2008	Fatal	Single Vehicle Rollover	1	1
	255.0	15 Nov 2008	Property Damage	Collision with Bison	0	0
	257.0	8 Jan 2008	Injury	Single Vehicle Rollover	1	0
	258.0	17 Nov 2008	Property Damage	Collision with Bison	0	0
	260.0	6 Aug 2008	Property Damage	Collision with Bison	0	0
	269.0	26 Jan 2008	Injury	Single Vehicle Rollover	1	0
	270.0	9 Dec 2008	Property Damage	Collision with Bison	0	0
	278.0	10 Dec 2008	Property Damage	Ran Off Road - Left	0	0
	280.0	29 Jan 2008	Property Damage	Ran Off Road - Right	0	0
	280.0	19 Nov 2008	Property Damage	Collision with Bison	0	0
	280.0	27 Dec 2008	Injury	Collision with Bison	2	0
	285.0	20 Apr 2008	Property Damage	Single Vehicle Rollover	0	0
	290.0	4 May 2008	Property Damage	Collision with Bison	0	0
	290.0	12 May 2008	Injury	Single Vehicle Rollover	1	0
	290.0	18 Jun 2008	Injury	Single Vehicle Rollover	5	0
	292.7	12 Jul 2008	Property Damage	Single Vehicle Rollover	0	0
	298.0	24 Nov 2008	Property Damage	Collision with Other Animal	0	0
	302.0	11 May 2008	Injury	Single Vehicle Rollover	2	0
	305.0	27 Mar 2008	Property Damage	Single Vehicle Rollover	1	0
	309.0	20 May 2008	Property Damage	Single Vehicle Rollover	0	0
	312.0	20 May 2008	Property Damage	Collision with Parked Vehicle	0	0
	314.0	16 Feb 2008	Injury	Single Vehicle Rollover	2	0
	322.0	20 Jan 2008	Property Damage	Collision with Other Animal	0	0
	327.0	4 Dec 2008	Property Damage	Single Vehicle Rollover	0	0
	335.0	2 Aug 2008	Property Damage	Sideswipe - Opposite Direction	0	0
	336.0	8 Jul 2008	Property Damage	Rear End	0	0
	338.0	4 May 2008	Property Damage	Single Vehicle Rollover	0	0
	338.0	31 Dec 2008	Property Damage	Collision with Fixed Object	0	0
	338.8	30 Jan 2008	Property Damage	Rear End	0	0
	338.8	11 Jun 2008	Property Damage	Rear End	0	0

Summary Highway #3	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	54	11	1	66	24	1

Highway #4 (Ingraham Trail)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	0.0	7 Mar 2008	Injury	Left Turn Across Path	2	0
	0.0	26 Jun 2008	Property Damage	Left Turn Across Path	0	0
	2.0	7 Jan 2008	Property Damage	Ran Off Road - Left	0	0
	5.0	30 Jun 2008	Injury	Ran Off Road - Right	1	0
	6.5	12 May 2008	Property Damage	Sideswipe - Opposite Direction	0	0
	7.0	28 Feb 2008	Property Damage	Single Vehicle Rollover	0	0
	20.0	5 Jun 2008	Injury	Ran Off Road - Right	1	0
	27.5	21 Oct 2008	Property Damage	Ran Off Road - Left	0	0
	30.0	20 Jul 2008	Injury	Ran Off Road - Right	1	0

Summary Highway #4	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	5	4	0	9	5	0

Highway #5 (Fort Smith Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	2.5	23 Jul 2008	Property Damage	Ran Off Road - Right	0	0
	2.5	4 Nov 2008	Property Damage	Ran Off Road - Right	0	0
	25.0	25 Jan 2008	Property Damage	Single Vehicle Rollover	0	0
	26.0	9 Nov 2008	Injury	Single Vehicle Rollover	3	0
	40.0	18 Dec 2008	Property Damage	Single Vehicle Rollover	0	0
	61.0	15 Dec 2008	Property Damage	Ran Off Road - Right	0	0
	106.0	30 Jun 2008	Injury	Single Vehicle Rollover	1	0
	116.0	15 Aug 2008	Property Damage	Collision with Bison	0	0
	119.0	10 Dec 2008	Property Damage	Collision with Other Animal	0	0
	165.0	17 Mar 2008	Property Damage	Single Vehicle Rollover	0	0
	170.0	4 Apr 2008	Property Damage	Collision with Other Animal	0	0
	170.0	28 Oct 2008	Property Damage	Collision with Bison	0	0
	202.0	19 Feb 2008	Property Damage	Single Vehicle Rollover	0	0
	206.0	19 Feb 2008	Property Damage	Ran Off Road - Left	0	0
	238.0	3 Sep 2008	Fatal	Single Vehicle Rollover	0	1
	261.0	8 Oct 2008	Property Damage	Collision with Other Animal	0	0
	263.0	17 Dec 2008	Injury	Rear End	1	0
	263.8	21 Sep 2008	Injury	Single Vehicle Rollover	1	0

Summary Highway #5	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	13	4	1	18	6	1

Highway #6 (Fort Resolution Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	82.0	18 May 2008	Injury	Single Vehicle Rollover	1	0

Summary Highway #6	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	0	1	0	1	1	0

Highway #7 (Liard Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	4.0	12 Oct 2008	Injury	Single Vehicle Rollover	1	0
	22.0	10 Jul 2008	Fatal	Single Vehicle Rollover	2	1
	86.0	2 Feb 2008	Property Damage	Ran Off Road - Left	0	0
	251.3	12 Sep 2008	Injury	Ran Off Road - Left	1	0

Summary Highway #7	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	1	2	1	4	4	1

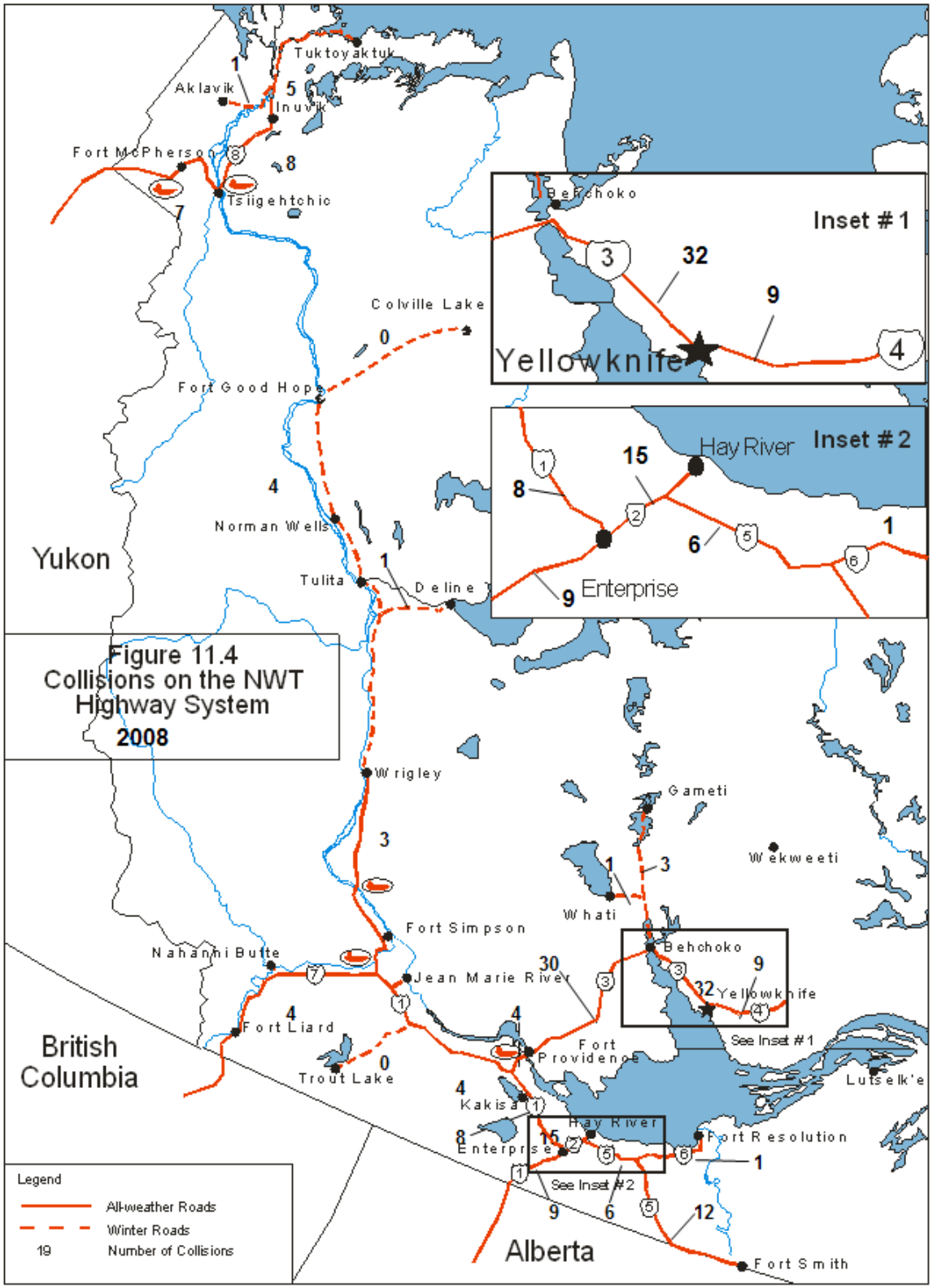
Highway #8 (Dempster Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	21.0	18 Sep 2008	Property Damage	Single Vehicle Rollover	0	0
	26.0	13 Apr 2008	Property Damage	Single Vehicle Rollover	0	0
	30.0	8 Jan 2008	Property Damage	Collision with Other Animal	0	0
	108.4	12 Feb 2008	Injury	Single Vehicle Rollover	4	0
	122.0	11 Sep 2008	Injury	Single Vehicle Rollover	1	0
	142.0	3 Mar 2008	Injury	Single Vehicle Rollover	2	0
	142.0	15 Mar 2008	Property Damage	Ran Off Road - Left	0	0
	142.7	13 Oct 2008	Property Damage	Collision with Fixed Object	0	0
	159.0	18 Sep 2008	Property Damage	Ran Off Road - Left	0	0
	180.0	24 Aug 2008	Injury	Single Vehicle Rollover	2	0
	243.1	27 Jun 2008	Injury	Rear End	4	0
	260.0	8 Oct 2008	Property Damage	Single Vehicle Rollover	0	0
	264.3	25 Jun 2008	Property Damage	Single Vehicle Rollover	0	0
	271.3	18 Oct 2008	Injury	Right Angle	1	0
	272.4	24 Nov 2008	Injury	Right Angle	2	0

Summary Highway #8	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	8	7	0	15	16	0

Access and Winter Roads	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
Fort Simpson Access Road	28 Feb 2008	Injury	Rear End	2	0
Fort Simpson Access Road	30 Mar 2008	Property Damage	Sideswipe - Opposite Direction	0	0
Hay River Reserve Access Road	22 Jul 2008	Property Damage	Single Vehicle Rollover	0	0
Hay River Reserve Access Road	17 Aug 2008	Property Damage	Collision with Fixed Object	0	0
Kakisa Lake Access Road	19 Jul 2008	Injury	Ran Off Road - Right	1	0
Rae Access Road	20 Mar 2008	Property Damage	Single Vehicle Rollover	0	0
Rae Access Road	23 Nov 2008	Property Damage	Ran Off Road - Left	0	0
Yellowknife Access Road	30 Aug 2008	Property Damage	Rear End	0	0
Yellowknife Access Road	15 Nov 2008	Property Damage	Collision with Fixed Object	0	0
Yellowknife Access Road	21 Nov 2008	Property Damage	Collision with Fixed Object	0	0
Yellowknife Access Road	21 Dec 2008	Property Damage	Ran Off Road - Left	0	0
Aklavik Winter Access Road	21 Mar 2008	Property Damage	Single Vehicle Rollover	0	0
Deline Winter Access Road	27 Jan 2008	Property Damage	Collision with Parked Vehicle	0	0
Deltah Winter Access Road	7 Feb 2008	Injury	Other Multi-Vehicle Same Direction	1	0
Inuvik-tuktoyaktuk Winter Road	2 Feb 2008	Property Damage	Single Vehicle Rollover	0	0
Inuvik-tuktoyaktuk Winter Road	19 Feb 2008	Property Damage	Single Vehicle Rollover	0	0
Inuvik-tuktoyaktuk Winter Road	11 Mar 2008	Injury	Ran Off Road - Left	1	0
Inuvik-tuktoyaktuk Winter Road	16 Mar 2008	Injury	Ran Off Road - Right	1	0
Inuvik-tuktoyaktuk Winter Road	25 Dec 2008	Injury	Ran Off Road - Right	1	0
Mackenzie Highway Winter Road	3 Jan 2008	Property Damage	Single Vehicle Rollover	0	0
Mackenzie Highway Winter Road	8 Mar 2008	Property Damage	Sideswipe - Opposite Direction	0	0
Mackenzie Highway Winter Road	22 Mar 2008	Injury	Single Vehicle Rollover	1	0
Mackenzie Highway Winter Road	UU Apr 2008	Property Damage	Sideswipe - Opposite Direction	0	0
Rae Lakes Winter Access Road	26 Mar 2008	Property Damage	Ran Off Road - Right	0	0
Rae Lakes Winter Access Road	1 Apr 2008	Injury	Single Vehicle Rollover	1	0
Rae Lakes Winter Access Road	1 Apr 2008	Property Damage	Single Vehicle Rollover	0	0
Wha Ti Winter Access Road	10 Mar 2008	Property Damage	Collision with Fixed Object	0	0

Summary Access and Winter Roads	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	19	8	0	27	9	0

Summary All NWT Highways	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	130	**46**	**3**	**179**	**80**	**3**


Tuktoyaktuk
Aklavik
Inuvik
Fort McPherson
Tsiigehtchic
Colville Lake
Fort Good Hope
Norman Wells
Tulita
Deline
Yukon
Wrigley
Fort Simpson
Nahanni Butte
Jean Marie River
Fort Liard
Trout Lake
British Columbia
Kakisa
Enterprise
Hay River
Fort Providence
Fort Resolution
Lutselk'e
Gameti
Wekweeti
Whati
Behchoko
Yellowknife
See Inset #1
See Inset #2
Inset #1
Inset #2
Alberta
Fort Smith
Figure 11.4
Collisions on the NWT
Highway System
2008
Legend
All-weather Roads
Winter Roads
19 Number of Collisions

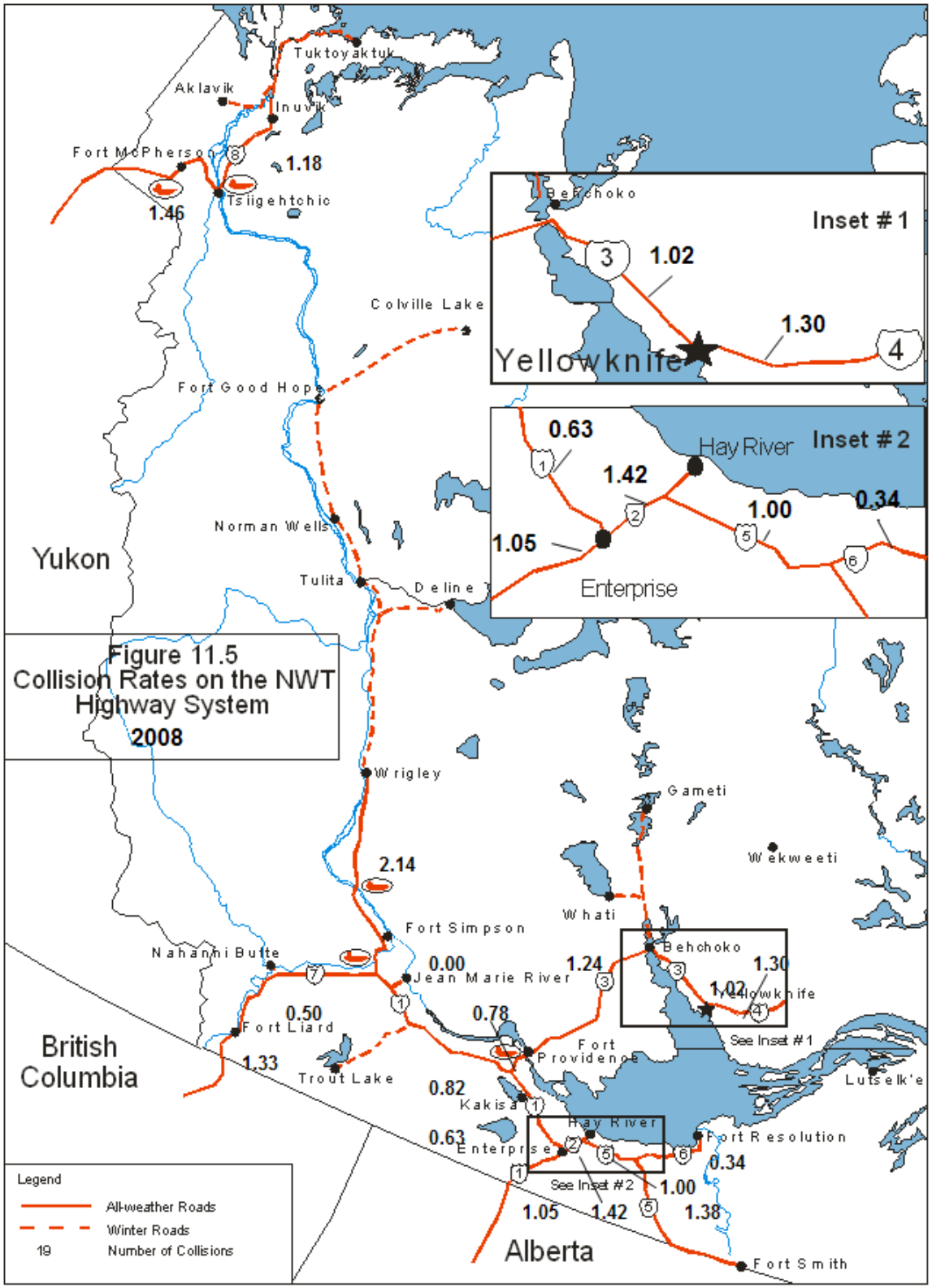
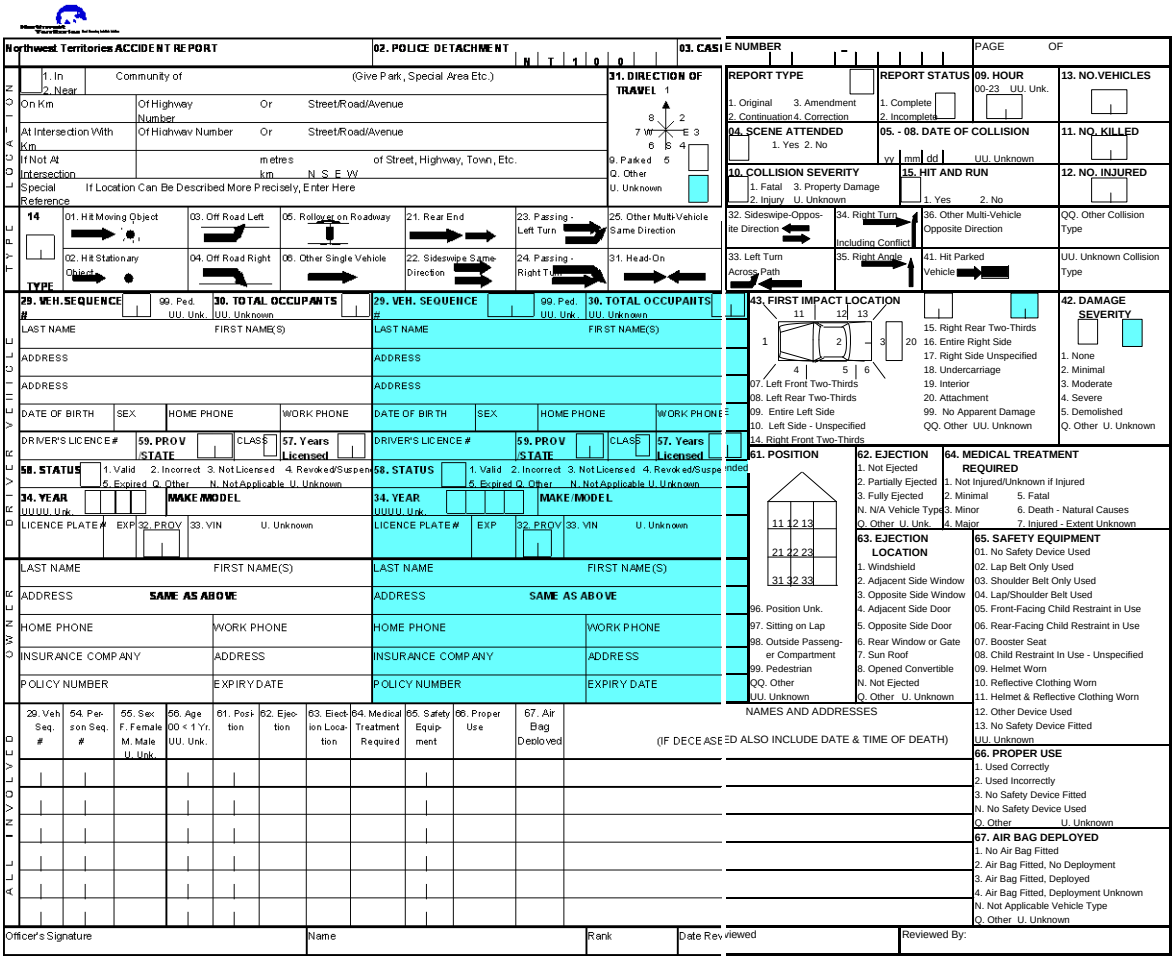


Figure 11.5
Collision Rates on the NWT Highway System
2008
Inset # 1
Inset # 2
Yellowknife
Hay River
Enterprise
Behchoko
Tuktoyaktuk
Aklavik
Inuvik
Fort McPherson
Tsiigehtchic
Colville Lake
Fort Good Hope
Norman Wells
Tulita
Deline
Wrigley
Gameti
Wekweeti
Whati
Fort Simpson
Nahanni Butte
Jean Marie River
Fort Liard
Trout Lake
Fort Providence
Kakisa
Fort Resolution
Lutselk'e
See Inset #1
See Inset #2
Fort Smith
Yukon
British Columbia
Alberta
1.18
1.46
1.02
1.30
0.63
1.42
1.00
0.34
1.05
2.14
0.00
1.24
0.50
0.78
1.33
0.82
0.63
1.38
Legend
All-weather Roads
Winter Roads
19 Number of Collisions

Casualty Rates by Canadian Jurisdiction - 2007 [1] Figure 12.1

Province/ Territory	Casualty Rates					
	Per 100,000 Population		Per Billion Vehicle Kilometres [2]		Per 100,000 Licensed Drivers	
	Fatalities	Injuries	Fatalities	Injuries	Fatalities	Injuries
Canada	**8.4**	**588.8**	**8.3**	**584**	**12.2**	**859.0**
Newfoundland & Labrador	8.1	447.2	9.4	519	12.0	661.3
Prince Edward Island	5.8	585.0	5.6	566	8.3	837.5
Nova Scotia	10.6	656.5	9.3	578	14.9	924.6
New Brunswick	11.9	497.2	11.0	460	16.6	693.9
Quebec	8.1	623.0	8.8	679	12.6	977.3
Ontario	6.0	523.3	6.2	535	8.6	749.0
Manitoba	9.2	719.7	7.9	617	14.2	1,113.0
Saskatchewan	14.3	686.6	10.6	509	20.8	993.7
Alberta	13.2	706.1	9.6	513	17.6	942.9
British Columbia	9.5	592.9	11.6	726	13.9	864.2
Yukon	16.1	671.2	10.3	427	20.7	862.0
Northwest Territories	**11.7**	**365.9**	**13.9**	**435**	**20.5**	**638.2**
Nunavut	0.0	48.2	0.0	462	0.0	N/A

[1] Canadian Motor Vehicle Traffic Collision Statistics: 2007. Published by Transport Canada.
[2] Statistics Canada, Canadian Vehicle Survey. Catalogue No. 53-223-XIE.



Northwest Territories ACCIDENT REPORT — 02. POLICE DETACHMENT N T 1 0 0 — 03. CASE NUMBER — PAGE OF

LOCATION

1. In 2. Near — Community of — (Give Park, Special Area Etc.)

On Km — Of Highway Number — Or — Street/Road/Avenue

At Intersection With Km — Of Highway Number — Or — Street/Road/Avenue

If Not At Intersection — metres — of Street, Highway, Town, Etc. — km — N. S. E. W

Special Reference — If Location Can Be Described More Precisely, Enter Here

31. DIRECTION OF TRAVEL (1 2 3 4 5 6 7 8 W E S) 9. Parked Q. Other U. Unknown

REPORT TYPE: 1. Original 2. Continuation 3. Amendment 4. Correction

REPORT STATUS: 1. Complete 2. Incomplete

09. HOUR: 00-23 UU. Unk.

13. NO.VEHICLES

04. SCENE ATTENDED: 1. Yes 2. No

05. - 08. DATE OF COLLISION: yy mm dd UU. Unknown

11. NO. KILLED

10. COLLISION SEVERITY: 1. Fatal 2. Injury 3. Property Damage U. Unknown

15. HIT AND RUN: 1. Yes 2. No

12. NO. INJURED

TYPE

14 TYPE

01. Hit Moving Object — 02. Hit Stationary Object — 03. Off Road Left — 04. Off Road Right — 05. Rollover on Roadway — 06. Other Single Vehicle — 21. Rear End — 22. Sideswipe Same-Direction — 23. Passing - Left Turn — 24. Passing - Right Turn — 25. Other Multi-Vehicle Same Direction — 31. Head-On

32. Sideswipe-Opposite Direction — 33. Left Turn Across Path — 34. Right Turn including Conflict — 35. Right Angle — 36. Other Multi-Vehicle Opposite Direction — 41. Hit Parked Vehicle — QQ. Other Collision Type — UU. Unknown Collision Type

DRIVER VEHICLE

29. VEH. SEQUENCE # — 99. Ped. UU. Unk. — 30. TOTAL OCCUPANTS UU. Unknown

LAST NAME — FIRST NAME(S)

ADDRESS

ADDRESS

DATE OF BIRTH — SEX — HOME PHONE — WORK PHONE

DRIVER'S LICENCE # — 59. PROV /STATE — CLASS — 57. Years Licensed

58. STATUS: 1. Valid 2. Incorrect 3. Not Licensed 4. Revoked/Suspended 5. Expired Q. Other N. Not Applicable U. Unknown

34. YEAR UUUU. Unk. — MAKE/MODEL

LICENCE PLATE # — EXP — 32. PROV — 33. VIN — U. Unknown

43. FIRST IMPACT LOCATION

07. Left Front Two-Thirds
08. Left Rear Two-Thirds
09. Entire Left Side
10. Left Side - Unspecified
14. Right Front Two-Thirds
15. Right Rear Two-Thirds
16. Entire Right Side
17. Right Side Unspecified
18. Undercarriage
19. Interior
20. Attachment
99. No Apparent Damage
QQ. Other UU. Unknown

42. DAMAGE SEVERITY: 1. None 2. Minimal 3. Moderate 4. Severe 5. Demolished Q. Other U. Unknown

OWNER

LAST NAME — FIRST NAME(S)

ADDRESS — SAME AS ABOVE

HOME PHONE — WORK PHONE

INSURANCE COMPANY — ADDRESS

POLICY NUMBER — EXPIRY DATE

ALL INVOLVED

29. Veh Seq. #	54. Person Seq. #	55. Sex F. Female M. Male U. Unk.	56. Age 00 < 1 Yr. UU. Unk.	61. Position	62. Ejection	63. Ejection Location	64. Medical Treatment Required	65. Safety Equipment	66. Proper Use	67. Air Bag Deployed	NAMES AND ADDRESSES (IF DECEASED ALSO INCLUDE DATE & TIME OF DEATH)

61. POSITION

96. Position Unk.
97. Sitting on Lap
98. Outside Passenger Compartment
99. Pedestrian
QQ. Other
UU. Unknown

62. EJECTION: 1. Not Ejected 2. Partially Ejected 3. Fully Ejected N. N/A Vehicle Type Q. Other U. Unk.

64. MEDICAL TREATMENT REQUIRED: 1. Not Injured/Unknown if Injured 2. Minimal 3. Minor 4. Major 5. Fatal 6. Death - Natural Causes 7. Injured - Extent Unknown

63. EJECTION LOCATION: 1. Windshield 2. Adjacent Side Window 3. Opposite Side Window 4. Adjacent Side Door 5. Opposite Side Door 6. Rear Window or Gate 7. Sun Roof 8. Opened Convertible N. Not Ejected Q. Other U. Unknown

65. SAFETY EQUIPMENT: 01. No Safety Device Used 02. Lap Belt Only Used 03. Shoulder Belt Only Used 04. Lap/Shoulder Belt Used 05. Front-Facing Child Restraint in Use 06. Rear-Facing Child Restraint in Use 07. Booster Seat 08. Child Restraint In Use - Unspecified 09. Helmet Worn 10. Reflective Clothing Worn 11. Helmet & Reflective Clothing Worn 12. Other Device Used 13. No Safety Device Fitted UU. Unknown

66. PROPER USE: 1. Used Correctly 2. Used Incorrectly 3. No Safety Device Fitted N. No Safety Device Used Q. Other U. Unknown

67. AIR BAG DEPLOYED: 1. No Air Bag Fitted 2. Air Bag Fitted, No Deployment 3. Air Bag Fitted, Deployed 4. Air Bag Fitted, Deployment Unknown N. Not Applicable Vehicle Type Q. Other U. Unknown

Officer's Signature — Name — Rank — Date Reviewed — Reviewed By:

16.ROADWAY CONFIGURATION
1. Non-Intersection
2. Intersection 2 Roads
3. Intersection With Parking Lot/Driveway/Alley
4. Railroad Level Crossing
5. Bridge, Overpass, Viaduct
6. Tunnel Or Underpass
Q. Other
U. Unknown

17.WEATHER CONDITION
1. Clear and/or Sunny
2. Overcast, Cloudy - No Precipitation
3. Raining
4. Snowing, Not Including Drifting Snow
5. Freez. Rain, Sleet, Hail
6. Visibility Limitation (Eg. Fog, Smoke, Dust, Mist)
7. Strong Wind
Q. Other
U. Unknown

18.LIGHT CONDITION
1. Daylight
2. Dawn
3. Dusk
5. Darkness
U. Unknown

19. ARTIFICIAL LIGHT CONDITION
1. No Artificial Light
2. Artificial Light - On
3. Artificial Light - Off
U. Unknown

20. ROAD CLASSIFICATION I
1. Urban
2. Rural
U. Unknown

21. ROAD CLASSIFICATION II
2. Arterial
3. Collector
4. Local
Q. Other (Parking Lot)
U. Unknown

22. ROAD CLASSIFICATION III
1. One-Way, 2-Lane
2. One-Way, Multi-Lane
3. Undivided, 2-Way, 2-Lane
4. Undivided, 2-Way, Multi-Lane
5. Divided, With Barrier
6. Divided, With Median
7. Divided,Type Unspecified
Q. Other (Parking Lot)
U. Unknown

23. ROAD MATERIAL
1. Asphalt
2. Concrete
3. Gravel
4. Earth, Dirt
5. Chip-Seal
6. Brick/Cobblestone
7. Wood
8. Steel Deck
9. Ice Road
Q. Other
U. Unknown

24. ROAD SURFACE
1. Dry, Normal
2. Wet
3. Snow (Fresh/Loose)
4. Slush, Wet Snow
5. Icy
6. Sandy/Gravel/Dirt
7. Muddy
8. Oil
9. Flooded
Q. Other
U. Unknown

25. ROAD CONDITION
1. Good
2. Potholes, Bumps, Ruts
3. Under Construction, Repair
4. Uneven
5. Worn
6. Obscured/Faded Markings
Q. Other
U. Unknown

26. ROAD ALIGNMENT
1. Straight And Level
2. Straight With Grade
3. Curved And Level
4. Curved With Grade
5. Top Of Hill/Gradient
6. Bottom Of Hill/Gradient
Q. Other
U. Unknown

27. TRAFFIC CONTROL
01. Traffic Signals - Oper.
02. Traffic Signals - Flashing
03. Stop Sign
04. Yield Sign
05. Warning Sign
06. Pedestrian Crosswalk
07. Police Officer
08. School Guard, Flagman
09. School Crossing
10. Reduced Speed Zone
11. No Passing Zone Sign
12. Road Markings
13. School Bus Stopped/ Lights Flashing
14. School Bus Stopped/ Lights Not Flashing
15. Rail Crossing With Signals and/or Gates
16. Rail X-ing, Signs Only
17. Unspec. Control Device
18. No Control Present
QQ. Other
UU. Unknown

28. POSTED SPEED LIMIT
UUU. Unknown

35. VEHICLE TYPE
01. Passenger Car
02. Passenger Van
03. Light Utility Vehicle
04. Pickup Truck,To 4500 kg
05. Panel/Cargo Van,To 4500 kg
06. Other Truck, Van,To 4500 kg
07. Unit Truck, > 4500 kg
08. Road Tractor
09. School Bus
11. Urban Transit Bus
12. Intercity Bus
14. Motorcycle
15. Motorcycle - Speed Limited
16. Off-Road Vehicle
17. Bicycle
18. Purpose-Built Motor Home
19. Farm Equipment
20. Construction Equipment
22. Snowmobile
QQ. Other UU. Unknown

36. VEHICLE USE
01. Taxi
02. School Bus
03. Other Bus
04. Military
05. Police Cruiser
06. Other Police
07. Ambulance
08. Hearse
09. Tow Truck
10. Delivery Vehicle
11. Road Maintenance
12. Utilities Maintenance
13. Fire Response
99. No Special Use
QQ. Other
UU. Unknown

37. EMERGENCY USE
1. Yes
2. No
N. Not an Emergency Vehicle
U. Unknown

38. TRAILER TYPE
1. Recreational Trailer
2. Light Utility Trailer (Boat)
3. Commercial Full Trailer
4. One Semi-Trailer
5. Two Semi-Trailers, A-Train
6. Two Semi-Trailers, B-Train
7. Two Semi-Trailers, C-Train
8. Two Semi-Trailers, Connector Unknown
9. Three Semi-Trailers
N. No Trailers
Q. Other
U. Unknown

39. USE OF HEADLIGHTS
1. No Headlights On/Not Equipped
2. Daytime Running Lights On
3. Headlights On
4. Parking Lights Only On
5. Fog Or Auxiliary Lights On
Q. Other
U. Unknown

40.VEHICLE SPEED
000. Stopped in Traffic
NNN. Parked
UUU. Unknown

41. VEHICLE MANOEUVRE
01. Going Straight
02. Turning Left
03. Turning Right
04. Making U-Turn
05. Changing Lanes
06. Merging
07. Reversing
08. Overtaking
09. Negotiating Curve
10. Slowing, Stopping
11. Starting In Traffic
12. Leaving Roadside
13. Stopped/Parked Legally
14. Stopped/Parked Illegally
15. Swerving To Avoid Collision
16. Run-Away Or Roll Away Vehicle
21. Unspecified Manoeuvre
QQ. Other UU. Unknown

44 - 46. VEHICLE EVENTS
NON-COLLISION EVENTS:
01. Skidded Or Spun On Roadway
02. Ran Off Road
03. Overturned, Rollover
04. Jacknife Or Trailer Swing
05. Fire Or Explosion
06. Load Spill
07. Load Shift **EVT1**
08. Submersion
09. Other Non-Collision Event
HIT MOVING OBJECTS:
11. Hit Moving Motor Vehicle
12. Hit Pedestrian
13. Hit Bicyclist **EVT2**
14. Hit Animal
15. Hit Train **EVT3**
19. Hit Another Moving Object
HIT NON-MOVING OBJECTS:
21. Hit Parked Vehicle
22. Hit Non-Fixed Object
23. Hit Building
24. Hit Ditch
25. Hit Embankment, Dirt Pile, Rock
26. Hit Culvert, Drainage Structure
27. Hit Tree/Bush/Hedge
28. Hit Light/Utility Pole
29. Hit Curb
30. Hit Post
31. Hit Traffic Barrier
32. Hit Other Fixed Object, Part Of Road Structure
33. Hit Other Fixed Object NOT Part Of Road Structure
39. Hit Other Type Fixed Object
NN. No 2nd or 3rd Event
QQ. Other UU. Unknown

47. DRIVER/PEDESTRIAN CONDITION
01. Fatigued/Fell Asleep
02. Inexperience
03. Under Influence -Alcohol
04. Under Influence - Drugs
05. Sudden Illness, Lost Conciousness
NN. Apparently Normal
QQ. Other UU. Unknown

48. DRIVER ACTION
21. Following Too Closely
22. Distracted, Inattentive
23. Driving Too Fast For Conditions
24. Improper Turning Or Passing
25. Fail To Yield Right-Of-Way
26. Disobeyed Traffic Control Device/ Police Officer
27. Driving On Wrong Side Of Road
29. Backing Unsafely
30. Lost Control
NN. Driving Properly
QQ. Other UU. Unknown

49. VEHICLE FACTORS
41. Defective Brakes
42. Defective Steering
43. Defective Lights
44. Tire Blown Out
45. Unsecured Or Spilled Load
46. Oversized Load, Overload
47. Visibility Obstructed
48. Other Defective Parts
NN. No Defects
QQ. Other UU. Unknown

50. ENVIRONMENTAL FACTORS
51. Animal On Roadway
52. Road Surface Or Other Condition
53. Obstruction On Road
54. View Obstructed, Glare, Reflection
55. Weather Or Acts Of God
NN. No Environmental Factors
QQ. Other UU. Unknown

52. DANGEROUS GOODS CLASS
1. Explosives
2. Gases
3. Flammable Liquids
4. Flammable Solids, Spontaneous Combustibles
5. Oxidizers & Organic Peroxides
6. Poisonous & Infectious Substances
7. Radioactives
8. Corrosives
9. Misc. Dangerous Goods
N. Not a Commercial Vehicle
Q. Other U. Unknown

53. LOAD STATUS COMMERCIAL VEHICLES
1. Fully/Partially Loaded
2. Not Loaded
N. Not a Commercial Vehicle
Q. Other U. Unknown

60. BLOOD ALCOHOL CONCENTRATION
000-500 BAC (mg%) of Driver /Pedestrian
600. Not Tested, Driver/Pedestrian Dead, Alcohol Use Suspected
610. Not Tested Due To Injury, Alcohol Use Suspected
620. Not Tested - Other Reasons, Alcohol Use Suspected
998. No Alcohol Suspected
NNN. Passenger UUU. Unknown
Dri 1 Dri 2
Ped 1 Ped 2
Ped 3 Ped 4

68. PEDESTRIAN ACTION
01. Crossing Intersection With ROW
02. Crossing Intersection Without ROW
04. In Crosswalk
05. Crossing Roadway At Midblock
06. Walking On Roadway Against Traffic
07. Walking On Roadway With Traffic
08. On Sidewalk, Median, Safety Zone
11. Coming From Behind Parked Vehicle/Object
12. Coming From Behind Moving Vehicle
13. Running Into Roadway
14. Getting On/Off School Bus
15. Getting On/Off Vehicle
16. Pushing Vehicle Ped 1
17. Working On Vehicle
18. Playing On Road Ped 2
19. Working On Road
20. Lying On Road Ped 3
NN. Not a Pedestrian
QQ. Other UU. Unknown Ped 4

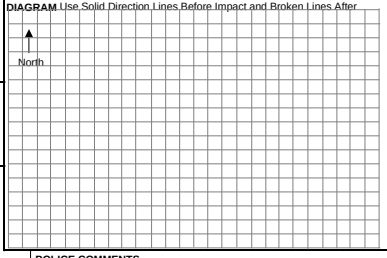
INDEPENDENT WITNESSES

Last Name	First Name
Address	
Home Phone	Work Phone
Last Name	First Name
Address	
Home Phone	Work Phone

ADDITIONAL WITNESSES ON FILE? Yes ☐ No ☐

DESCRIPTION: Show Direction of Travel, Obstructions, Vehicle Movement, Travel Lane, Fixed Objects, Traffic Controls.

DIAGRAM Use Solid Direction Lines Before Impact and Broken Lines After



POLICE COMMENTS

PROPOSED ACTION

The following is a brief description of the 5 fatal traffic collisions that took place in the Northwest Territories in 2008, resulting in 5 fatalities.

RCMP Detachment	Date	Description
Tuktoyaktuk	03-Jul	Operator of all-terrain vehicle lost control on gravel road in community and struck utility pole. The operator sustained fatal injuries. A helmet was worn. It is unknown if alcohol was involved.
Fort Liard	10-Jul	Single vehicle rollover near Kilometre 22 on Highway #7. The driver of the sport utility vehicle was fatally injured while the two passengers sustained moderate to serious injuries. The driver was fully restrained while the two passengers were unrestrained. Speed was a factor. It is unknown if alcohol was involved.
Fort Smith	03-Sep	Single vehicle rollover near Kilometre 238 on Highway #5. The unrestrained driver of the van was totally ejected from the vehicle and died at the scene.
Tlicho	13-Sep	Single vehicle rollover near Kilometre 255 on Highway #3. Both the driver and passenger were unrestrained. The passenger sustained fatal injuries while the driver was partially ejected and sustained serious injuries. Speed and alcohol were factors.
Fort Smith	23-Nov	Alcohol impaired driver of sport utility vehicle lost control on snow-covered road within community and struck tree. None of the 4 occupants were restrained. The left rear passenger was ejected and killed. The other 3 occupants remained in the vehicle and suffered minor injuries.