2004 NWT Traffic Collision Facts

Department of Transportation
Road Licensing and Safety Division
September 2005

Acknowledgements

This report was prepared by the Road Licensing and Safety Division of the Department of Transportation, Government of the Northwest Territories, in cooperation with the Planning and Policy Division.

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.

2004 QUICK FACTS REPORT

2004 Compared to 2003

	2003	2004	% Change
PROPERTY DAMAGE ONLY COLLISIONS	686	682	-0.6
PERSONAL INJURY COLLISIONS	130	113	-13.1
FATAL COLLISIONS	3	3	0.0
TOTAL REPORTED COLLISIONS	819	798	-2.6
NUMBER OF PERSONS KILLED	3	3	0.0
NUMBER OF PERSONS INJURED	172	151	-12.2
NWT HIGHWAY SYSTEM COLLISIONS	175	152	-13.1
RURAL COLLISIONS	15	18	20.0
COLLISIONS IN COMMUNITIES	629	628	-0.2
REGISTERED VEHICLES	29,106	28,305	-2.8
LICENSED DRIVERS	24,040	24,641	2.5
NWT POPULATION [1]	41,900	42,810	2.2
COLLISIONS PER 100 LICENSED DRIVERS	3.41	3.24	-4.9
COLLISIONS PER 100 REGISTERED VEHICLES	2.81	2.82	0.2
COLLISIONS PER 100 POPULATION	1.95	1.86	-4.6
COLLISIONS INVOLVING ALCOHOL	54	50	-7.4

[1] 2003 and 2004 population from NWT Bureau of Statistics July 1 estimate published in 'Quarterly Report', March 2005.

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 eleven sections. The contents of each section are described below.

Section 1 -Historical Trends

This section illustrates the 16-year history of collisions, victims and licensed drivers and vehicles. There were a total of 798 collisions reported in 2004, which is 2.2 percent fewer than 2003. 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 3 traffic fatalities reported in 2004 is close to the 16-year average. The 151 persons injured in 2004 is the lowest number in 16 years.

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 twice as prevalent in injury and fatal collisions (12%) than in all collisions (6%). Driver error accounts for 71% of all factors in collisions, as compared to vehicular (2%) and environmental (4%).

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 2004, 1,168 drivers were involved in 798 collisions. This is an average of 1.46 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. Crash statistics involving young or inexperienced drivers are useful for developing and monitoring the Graduated Driver's License program.

Section 6 - Vehicle Factors

There were a total of 1,401 vehicles involved in 798 collisions in 2004. This is an average of 1.76 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 7% of victims wearing seat belts were injured. On the other hand, 20% 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 2004:

- 11 pedestrians were injured;
- no pedestrians were killed;
- 36% of the pedestrians injured were under the age of 15;
- all pedestrians were injured within a community;
- 27% of pedestrians had been drinking or were impaired by alcohol.

Section 9 - Alcohol

In 2004, there were 50 collisions involving alcohol in the Northwest Territories, resulting in 21 injuries. From the figures presented in this section, the facts below should be noted:

- Alcohol was a factor in 6% of all collisions;
- 4% of drivers involved in collisions had been drinking or were impaired by alcohol;
- 45% of drinking drivers were between the ages of 25 and 44;
- Alcohol-related crashes are more frequent during the late evening or early morning, on weekends and are more likely to take place during the summer months;
- Alcohol was a factor in 14% of all traffic casualties.

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:

- 62% of off-road vehicle collisions result in injuries or death;

- 54% of off-road vehicle drivers involved in collisions are 24 years of age or younger;
- 4% of off-road vehicle drivers in collisions had been drinking or were impaired by alcohol;
- only 19% of off-road vehicle drivers or passengers in collisions were wearing helmets;
- 80% 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. 64% of collisions took place in the North Slave Region. The North Slave Region also accounted for 53% of persons injured. 66% of fatalities took place in the North Slave Region.

A map detailing collisions that occurred on the NWT Highway system is shown on Page 44. Highway 3 (Yellowknife Highway) accounted for 33% of collisions occurring on the eight numbered highways.

Section 12 – National Comparison

This section compares injury and fatality rates for Canadian jurisdictions for the 2003 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 is less than the Canada average for all 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 which 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 which 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.

Contents

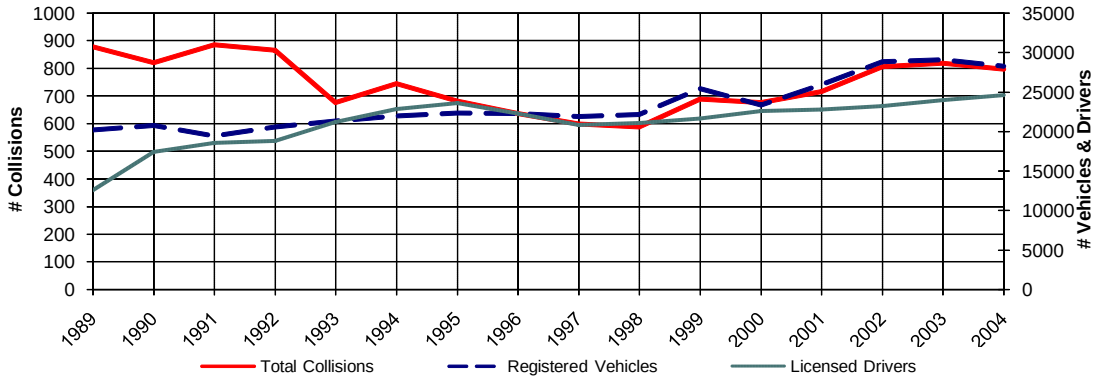
			Page
		Quick Facts - Inside Front Cover	
Section 1		**Historical Trends**	**1**
Figure	1.1	Trends in Licensed Drivers, Registered Vehicles and Collisions	1
	1.2	Trends in Collision Rates by Vehicles, Drivers and Population	1
	1.3	Trends in Injuries and Fatalities	2
	1.4	Trends in Property Damage Collisions	2
	1.5	Trends in Personal Injury Collisions	3
	1.6	Trends in Fatal Collisions	3
	1.7	Trends in All Reported Collisions	4
	1.8	Property Damage Collisions by Month and Year	4
	1.9	Personal Injury Collisions by Month and Year	5
	1.10	Fatal Collisions by Month and Year	5
	1.11	Total Collisions by Month and Year	6
Section 2		**Time of Occurrence**	**7**
Figure	2.1	Personal Injury Collisions by Month of Occurrence	7
	2.2	Fatal Collisions by Month of Occurrence	7
	2.3	Total Collisions by Month of Occurrence	7
	2.4	Collisions and Victims by Month of Occurrence	7
	2.5	Total Collisions by Time of Day	7
	2.6	Total Collisions by Day of Week	7
	2.7	Total Collisions by Time of Day and Day of Week	8
Section 3		**Major Contributing Factors**	**9**
Figure	3.1	Collision by Severity Where Human Condition was a Major Contributing Factor	9
	3.2	Collisions by Severity Where Human Action was a Major Contributing Factor	9
	3.3	Collisions by Severity Where Vehicle Condition was a Major Contributing Factor	9
	3.4	Collisions by Severity Where Environmental Condition was a Major Contributing Factor	10
	3.5	Collisions by Severity Where Major Contributing Factor was Unspecified or Unknown	10
	3.6	Major Contributing Factors by Collision Severity	10
	3.7	Collisions by Road System Where Human Condition was a Major Contributing Factor	11
	3.8	Collisions by Road System Where Human Action was a Major Contributing Factor	11
	3.9	Collisions by Road System Where Vehicle Condition was a Major Contributing Factor	11
	3.10	Collisions by Road System Where Environmental Condition was a Major Contributing Factor	12
	3.11	Collisions by Road System Where Major Contributing Factor was Unspecified or Unknown	12
	3.12	Major Contributing Factors in Collisions - Communities and NWT Highways	12

			Page
Section 4		**Environmental Factors**	**13**
Figure	4.1	Collisions by Road Surface Type and Severity	13
	4.2	Collisions by Road Surface Environmental Condition and Severity	13
	4.3	Collisions by Road Defect and Severity	14
	4.4	Collisions by Light Condition and Severity	14
	4.5	Collisions by Weather Condition and Severity	15
	4.6	Collisions by Configuration and Severity	16
	4.7	Collisions by Configuration and Road System	17
	4.8	Collisions by Collision Site and Severity	18
	4.9	Collisions by Collision Site and Road System	18
	4.10	Collisions by Roadway Alignment and Severity	18
	4.11	Collisions by Roadway Type and Severity	19
	4.12	Collisions by Sequence of Events and Severity	19
	4.13	Collisions by Sequence of Events and Road System	20
Section 5		**Driver Factors**	**21**
Figure	5.1	Drivers in Collisions and Relative Risk by Driver Age	21
	5.2	Collision Rates by Severity and Driver Age	21
	5.3	Number of Drivers in Collisions by Licence Class and Age	22
	5.4	Number of Drivers in Collisions by Driver Condition and Age	22
	5.5	Number of Drivers in Collisions by Driver Action and Age	23
Section 6		**Vehicle Factors**	**24**
Figure	6.1	Number of Vehicles in Collisions by Vehicle Type and Severity	24
	6.2	Number of Vehicles in Collisions by Vehicle Condition and Severity	24
	6.3	Number of Vehicles in Collisions by Vehicle Manoeuvre and Severity	25
	6.4	Number of Vehicles in Collisions by Vehicle Year and Severity	25
Section 7		**Victims and Occupant Restraints**	**26**
Figure	7.1	Fatalities Classification	26
	7.2	Injuries Classification	26
	7.3	Persons Injured by Road User Class and Age Group	27
	7.4	Persons Killed by Road User Class and Age Group	27
	7.5	Persons Injured or Killed by Road User Class and Gender	27
	7.6	Motor Vehicle Occupants by Injury Severity and Restraint Use	28
	7.7	Restraints Used/Not Used	28
	7.8	Motor Vehicle Occupants by Injury Severity and Age Group	29
	7.9	Victim Restraint Use Rate by Victim Age	29

			Page
Section 8		**Pedestrians**	**30**
Figure	8.1	Pedestrians Injured or Killed by Age Group	30
	8.2	Pedestrians Injured or Killed by Pedestrian Action and Age Group	30
	8.3	Pedestrians Injured or Killed by Place of Occurrence and Injury Severity	31
	8.4	Pedestrians Injured or Killed by Collision Site	31
	8.5	Pedestrians Injured or Killed by Pedestrian Condition	31
Section 9		**Alcohol**	**32**
Figure	9.1	Drinking Drivers in Collisions by Driver Age and Gender	32
	9.2	Collisions Involving Alcohol by Day of Week	32
	9.3	Percentage of Collisions Involving Alcohol by Year and Severity	32
	9.4	Number of Collisions and Victims Involving Alcohol	32
	9.5	Number of Alcohol Related Collisions by Time of Day	33
	9.6	Injury Severity by Alcohol Involvement	33
	9.7	Alcohol-Involved Collisions by Month	33
Section 10		**Off-Road Vehicles**	**34**
Figure	10.1	Off-Road Vehicle Collisions by Month and Severity	34
	10.2	Off-Road Vehicle Collisions by Vehicle Type	34
	10.3	Off-Road Vehicle Drivers in Collisions by Driver Age and Gender	35
	10.4	Off-Road Vehicle Collisions by Severity and Driver Condition	35
	10.5	Off-Road Vehicle Collisions by Severity and Driver Action	36
	10.6	Off-Road Vehicle Occupants by Injury Severity and Helmet Use	36
Section 11		**Geographic Distribution**	**37**
Figure	11.1	Collisions by Region, RCMP Detachment and Severity	37
	11.2	Collision Rates by Region and RCMP Detachment	38
	11.3	Collisions on the NWT Highway System	39
	11.4	Collisions on the NWT Highway System - Map	44
	11.5	Collision Rates on the NWT Highway System - Map	45
Section 12		**National Comparison**	**46**
Figure	12.1	Casualty Rates by Canadian Jurisdiction	46
Appendix			**47**
Section	A1	Northwest Territories Collision Report Form Side I	47
	A2	Northwest Territories Collision Report Form Side II	48
	A3	Brief Description of Fatal Collisions	49

Trends in Licensed Drivers, Registered Vehicles and Collisions

Figure 1.1

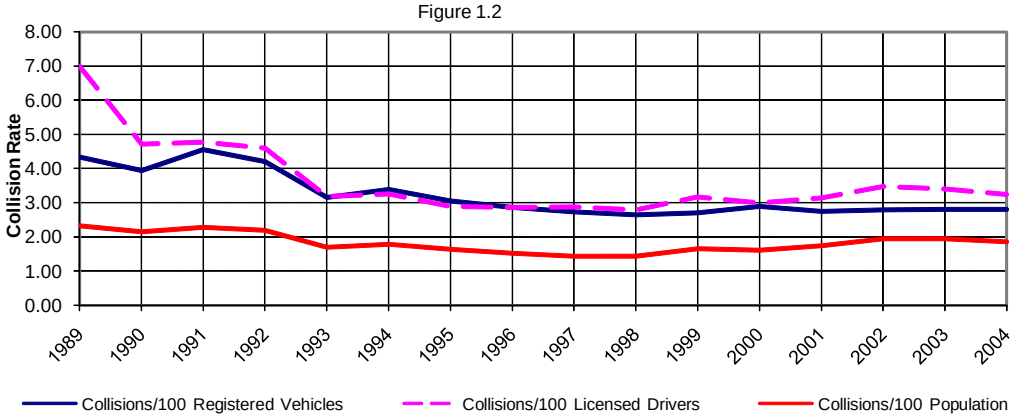


3 Year Summary

	2002	2003	2004	% Change
Registered Vehicles	28,856	29,106	28,305	-2.8
Licensed Drivers	23,223	24,040	24,641	2.5
Total Collisions	807	819	798	-2.6

Trends in Collision Rates by Vehicles, Drivers and Population

Figure 1.2

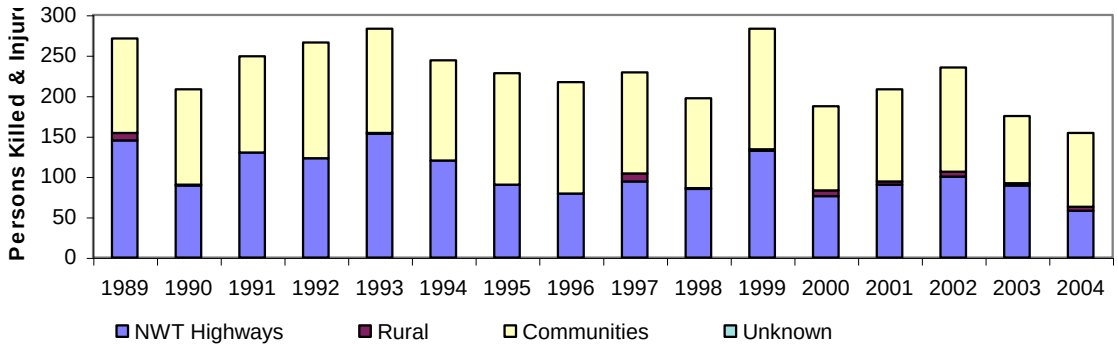


3 Year Summary

	2002	2003	2004	% Change
Collisions/100 Registered Vehicles	2.80	2.81	2.82	0.2
Collisions/100 Licensed Drivers	3.48	3.41	3.24	-4.9
Collisions/100 Population	1.95	1.95	1.86	-4.6

Trends in Injuries & Fatalities

Figure 1.3

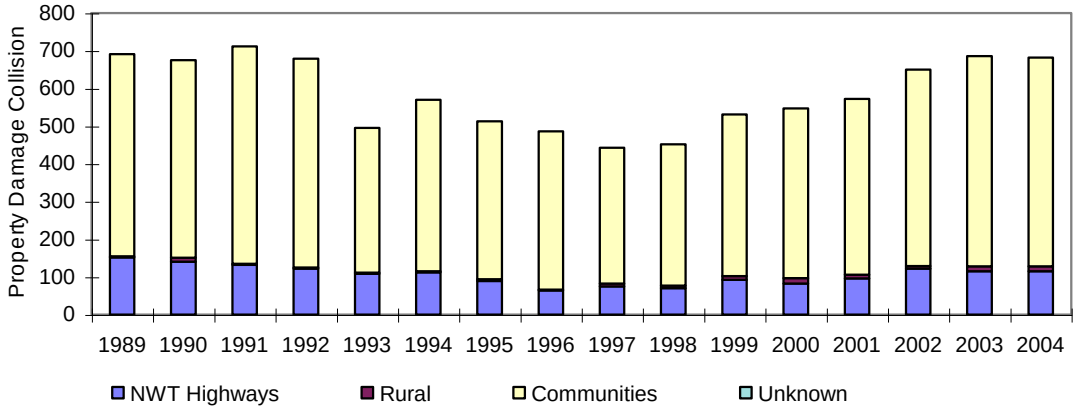


3 Year Summary

	Persons Injured				Persons Killed			
	2002	**2003**	**2004**	**Average**	**2002**	**2003**	**2004**	**Average**
NWT Highways	99	86	56	80	1	3	2	2
Rural	5	3	4	4	1	0	1	1
Communities	128	83	91	101	1	0	0	0
Total	**232**	**172**	**151**	**185**	**3**	**3**	**3**	**3**

Trends in Property Damage Collisions

Figure 1.4

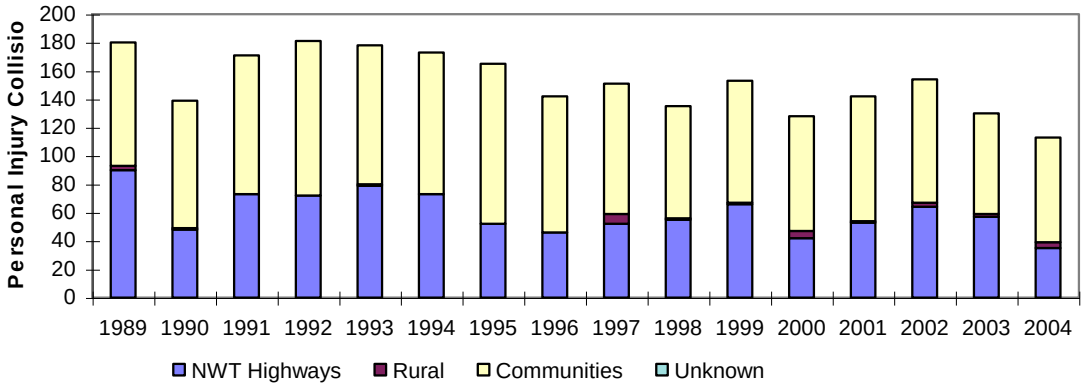


3 Year Summary

	Property Damage Collisions			
	2002	**2003**	**2004**	**Average**
NWT Highways	122	115	115	117
Rural	7	13	13	11
Communities	521	558	554	544
Total	**650**	**686**	**682**	**673**

Trends in Personal Injury Collisions

Figure 1.5



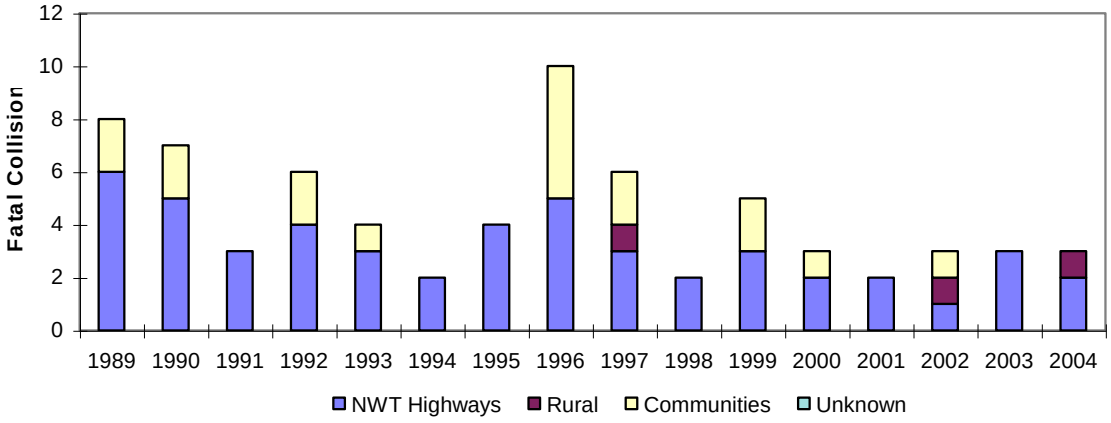
3 Year Summary

Personal Injury Collisions

	2002	2003	2004	Average
NWT Highways	64	57	35	52
Rural	3	2	4	3
Communities	87	71	74	77
Total	**154**	**130**	**113**	**132**

Trends in Fatal Collisions

Figure 1.6



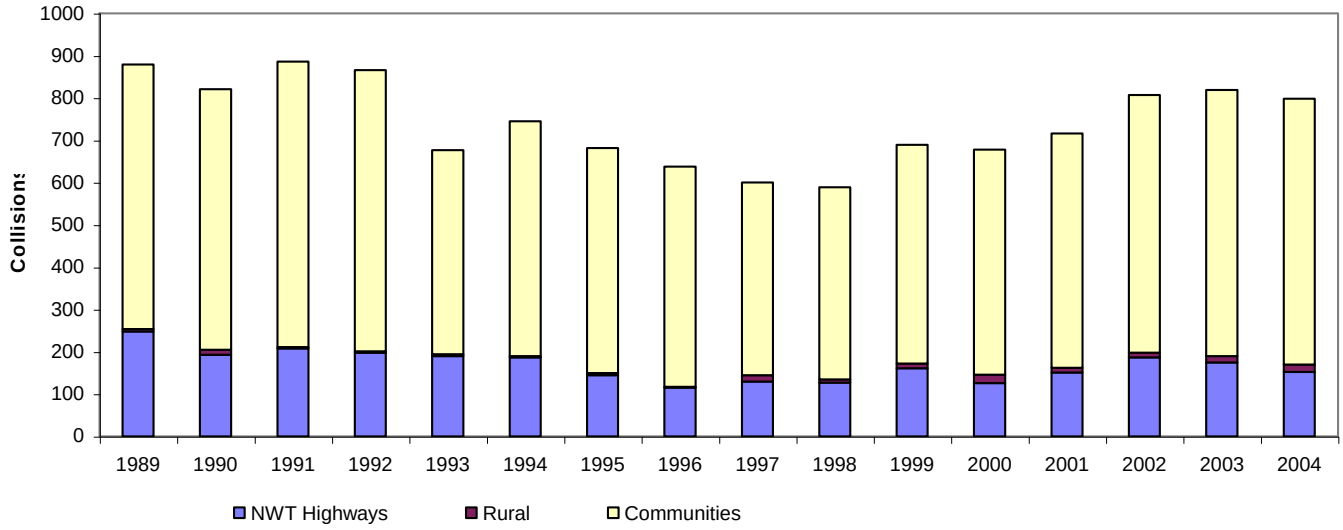
3 Year Summary

Fatal Collisions

	2002	2003	2004	Average
NWT Highways	1	3	2	2
Rural	1	0	1	1
Communities	1	0	0	0
Total	**3**	**3**	**3**	**3**

Trends in All Reported Collisions

Figure 1.7



3 Year Summary

	2002	2003	2004	Average
NWT Highways	187	175	152	171
Rural	11	15	18	15
Communities	609	629	628	622
Total	**807**	**819**	**798**	**808**

Property Damage Collisions by Month and Year

Figure 1.8

Month	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Avg. 94 to 03	2004
January	52	50	54	53	64	65	60	50	85	91	62	90
February	72	46	59	45	46	65	49	65	64	76	59	85
March	50	78	56	44	36	47	45	59	64	82	56	58
April	32	32	31	26	22	34	33	35	35	47	33	37
May	33	31	26	23	20	30	34	34	42	41	31	27
June	31	24	32	32	29	30	27	39	41	47	33	51
July	39	38	36	37	34	29	31	22	38	38	34	32
August	42	39	24	37	34	38	36	38	53	34	38	35
September	34	29	29	25	34	36	34	32	40	43	34	49
October	59	38	56	48	39	63	58	65	61	47	53	59
November	73	49	42	26	37	45	53	61	64	69	52	66
December	53	59	41	47	57	49	87	72	63	72	60	93
Total	**570**	**513**	**486**	**443**	**452**	**531**	**547**	**572**	**650**	**687**	**545**	**682**

Personal Injury Collisions by Month and Year Figure 1.9

Month	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Avg. 94 to 03	2004
January	11	16	15	13	10	15	17	13	11	9	13	15
February	7	14	15	19	10	13	14	14	6	25	14	8
March	9	20	10	16	11	11	9	7	8	11	11	7
April	6	12	7	19	7	9	4	7	5	7	8	11
May	9	11	7	11	4	6	9	8	9	10	8	9
June	18	15	10	6	20	12	9	14	15	9	13	10
July	18	15	16	8	11	22	11	6	19	12	14	9
August	23	18	11	16	14	12	7	16	16	11	14	18
September	14	11	14	10	11	11	9	10	13	6	11	10
October	20	10	15	14	17	20	12	21	22	15	17	6
November	19	12	9	10	8	10	10	10	15	7	11	3
December	19	11	13	9	12	12	17	16	15	8	13	7
Total	**173**	**165**	**142**	**151**	**135**	**153**	**128**	**142**	**154**	**130**	**147**	**113**

Fatal Collisions by Month and Year Figure 1.10

Month	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Avg. 94 to 03	2004
January	0	0	0	0	0	0	1	1	0	1	0.3	0
February	0	0	0	0	0	0	0	0	1	0	0.1	1
March	0	0	2	2	0	0	0	0	0	0	0.4	0
April	0	1	1	0	0	1	0	1	0	0	0.4	0
May	1	0	1	1	0	0	0	0	0	0	0.3	0
June	0	0	1	1	0	0	0	0	0	1	0.3	1
July	0	1	1	1	0	1	0	0	0	0	0.4	0
August	0	0	3	1	0	1	1	0	0	0	0.6	0
September	0	1	0	0	1	1	0	0	0	0	0.3	0
October	1	0	1	0	1	0	1	0	1	0	0.5	0
November	0	1	0	0	0	0	0	0	1	0	0.2	0
December	0	0	0	0	0	1	0	0	0	1	0.2	1
Total	**2**	**4**	**10**	**6**	**2**	**5**	**3**	**2**	**3**	**3**	**4.0**	**3**

Total Collisions by Month and Year Figure 1.11

Month	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Avg. 94 to 03	2004
January	63	66	69	66	74	80	78	64	96	101	76	105
February	79	60	74	64	56	78	63	79	71	101	73	94
March	59	98	68	62	47	58	54	66	72	93	68	65
April	38	45	39	45	29	44	37	43	40	54	41	48
May	43	42	34	35	24	36	43	42	51	51	40	36
June	49	39	43	39	49	42	36	53	56	57	46	62
July	57	54	53	46	45	52	42	28	57	50	48	41
August	65	57	38	54	48	51	44	54	69	45	53	53
September	48	41	43	35	46	48	43	42	53	48	45	59
October	80	48	72	62	57	83	71	86	84	62	71	65
November	92	62	51	36	45	55	63	71	80	76	63	69
December	72	70	54	56	69	62	104	88	78	81	73	101
Total	**745**	**682**	**638**	**600**	**589**	**689**	**678**	**716**	**807**	**819**	**696**	**798**

Collisions by Month of Occurrence

Figure 2.1

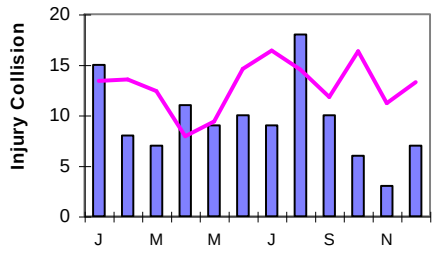


Figure 2.2

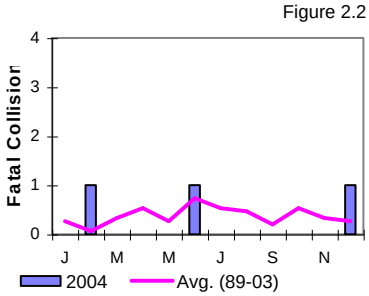
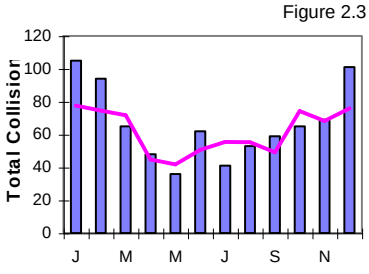


Figure 2.3



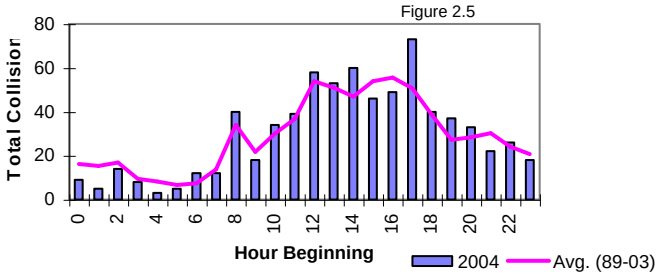
Collisions & Victims by Month of Occurrence

Figure 2.4

Month	Number of Collisions: Property Damage	Personal Injury	Fatal	Total	Number of Victims: Injured	Killed
January	90	15	0	105	19	0
February	85	8	1	94	11	1
March	58	7	0	65	9	0
April	37	11	0	48	14	0
May	27	9	0	36	10	0
June	51	10	1	62	14	1
July	32	9	0	41	12	0
August	35	18	0	53	25	0
September	49	10	0	59	14	0
October	59	6	0	65	8	0
November	66	3	0	69	5	0
December	93	7	1	101	10	1
Total	**682**	**113**	**3**	**798**	**151**	**3**

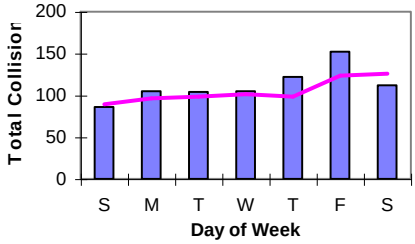
Total Collisions by Time of Day

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.	1	2	2	0	1	1	2	9	1.1
1 to 2 a.m.	0	1	1	1	1	0	1	5	0.6
2 to 3 a.m.	3	2	1	2	1	1	4	14	1.8
3 to 4 a.m.	2	1	0	1	1	0	3	8	1.0
4 to 5 a.m.	2	0	0	0	0	1	0	3	0.4
5 to 6 a.m.	2	0	1	1	1	0	0	5	0.6
6 to 7 a.m.	2	3	0	1	0	2	4	12	1.5
7 to 8 a.m.	1	3	0	2	1	0	5	12	1.5
8 to 9 a.m.	1	5	7	7	9	9	2	40	5.1
9 to 10 a.m.	1	2	5	0	2	5	3	18	2.3
10 to 11 a.m.	5	5	3	6	2	10	3	34	4.3
11 to 12 a.m.	1	7	10	6	5	7	3	39	5.0
12 to 1 p.m.	5	8	6	9	9	15	6	58	7.4
1 to 2 p.m.	7	9	7	7	8	5	10	53	6.7
2 to 3 p.m.	7	5	10	9	12	11	6	60	7.6
3 to 4 p.m.	5	6	1	12	5	11	6	46	5.9
4 to 5 p.m.	5	8	6	4	9	10	7	49	6.2
5 to 6 p.m.	5	15	11	10	14	10	8	73	9.3
6 to 7 p.m.	3	2	3	7	8	7	10	40	5.1
7 to 8 p.m.	5	4	5	5	6	8	4	37	4.7
8 to 9 p.m.	3	6	4	4	5	5	6	33	4.2
9 to 10 p.m.	1	1	4	2	5	6	3	22	2.8
10 to 11 p.m.	4	2	5	1	3	4	7	26	3.3
11 to 12 p.m.	1	3	2	1	1	7	3	18	2.3
Not Stated	14	5	10	7	13	17	6	72	9.2
Total	**86**	**105**	**104**	**105**	**122**	**152**	**112**	**786**	
%	**10.9**	**13.4**	**13.2**	**13.4**	**15.5**	**19.3**	**14.2**	**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	0	0	0	0	0.0
Inexperience	1	0	0	1	0.1
Under Influence - Alcohol	35	13	0	48	6.0
Under Influence - Drugs	0	0	0	0	0.0
Sudden Illness, Lost Consciousness	0	1	0	1	0.1
Other Driver Condition	0	0	0	0	0.0
Total	**36**	**14**	**0**	**50**	**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	27	3	0	30	3.8
Distracted, Inattentive	47	12	0	59	7.4
Driving Too Fast for Conditions	96	19	0	115	14.4
Improper Turning or Passing	6	1	0	7	0.9
Failed to Yield Right-of-Way	36	14	0	50	6.3
Disobeyed Traffic Control/Officer	0	4	0	4	0.5
Driving on Wrong Side of Road	1	6	1	8	1.0
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	154	5	0	159	19.9
Lost Control	110	26	1	137	17.2
Other Driver Action	0	0	0	0	0.0
Total	**477**	**90**	**2**	**569**	**71.3**

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	1	0	1	0.1
Unsecured Load, Spilled Load	2	1	0	3	0.4
Oversized Load, Overload	0	0	0	0	0.0
Visibility Obstructed	0	0	0	0	0.0
Other Vehicle Contributing Factor	8	0	0	8	1.0
Total	**10**	**2**	**0**	**12**	**1.5**

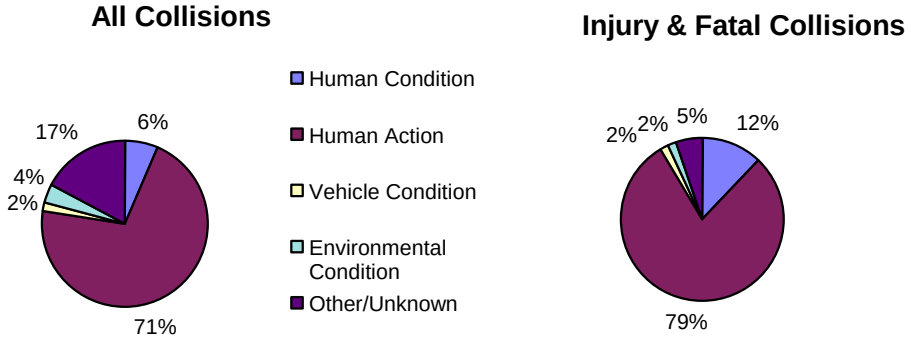
Collisions by Severity Where Environmental Condition was a Major Contributing Factor Figure 3.4

Environmental Condition	Property Damage	Personal Injury	Fatal	Total	% of Total Factors
Animal on Roadway	19	2	0	21	2.6
Road Surface or Condition	6	0	0	6	0.8
Obstruction/Debris on Road	1	0	0	1	0.1
View Obstructed, Glare, Reflection	1	0	0	1	0.1
Weather or Other Acts of God	0	0	0	0	0.0
Other Environmental Factor	0	0	0	0	0.0
Total	**27**	**2**	**0**	**29**	**3.6**

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	7	3	0	10	1.3
Unknown	125	2	1	128	16.0
Total	**132**	**5**	**1**	**138**	**17.3**
Total All Factors	**682**	**113**	**3**	**798**	**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 four 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	0	0	0	0	0.0
Inexperience	0	1	0	1	0.1
Under Influence - Alcohol	15	30	3	48	6.0
Under Influence - Drugs	0	0	0	0	0.0
Sudden Illness, Lost Consciousness	0	1	0	1	0.1
Other Driver Condition	0	0	0	0	0.0
Total	**15**	**32**	**3**	**50**	**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	6	24	0	30	3.8
Distracted, Inattentive	8	51	0	59	7.4
Driving Too Fast for Conditions	25	89	1	115	14.4
Improper Turning or Passing	0	7	0	7	0.9
Failed to Yield Right-of-Way	2	48	0	50	6.3
Disobeyed Traffic Control/Officer	0	4	0	4	0.5
Driving on Wrong Side of Road	2	6	0	8	1.0
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	0	157	2	159	19.9
Lost Control	64	67	6	137	17.2
Other Driver Action	0	0	0	0	0.0
Total	**107**	**453**	**9**	**569**	**71.3**

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	1	0	0	1	0.1
Unsecured Load, Spilled Load	2	1	0	3	0.4
Oversized Load, Overload	0	0	0	0	0.0
Visibility Obstructed	0	0	0	0	0.0
Other Vehicle Contributing Factor	1	6	1	8	1.0
Total	**4**	**7**	**1**	**12**	**1.5**

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	18	2	1	21	2.6
Road Surface or Condition	2	4	0	6	0.8
Obstruction/Debris on Road	1	0	0	1	0.1
View Obstructed, Glare, Reflection	0	1	0	1	0.1
Weather or Other Acts of God	0	0	0	0	0.0
Other Environmental Factor	0	0	0	0	0.0
Total	**21**	**7**	**1**	**29**	**3.6**

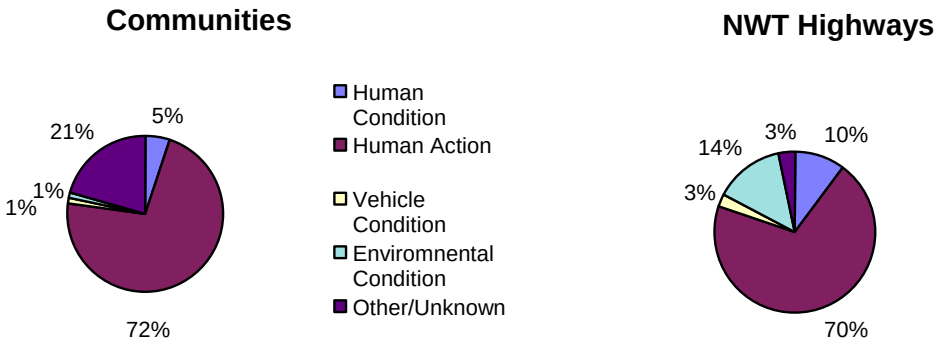
Collisions by Road System Where Major Contributing Factor was Unspecified or Unknown

Figure 3.11

Factor	NWT Highways	In Communities	Rural	Total	% of Total Factors
Unspecified	1	9	0	10	1.3
Unknown	4	120	4	128	16.0
Total	**5**	**129**	**4**	**138**	**17.3**
Total All Factors	**152**	**628**	**18**	**798**	**100.0**

Major Contributing Factors in Collisions - Communities and NWT Highways

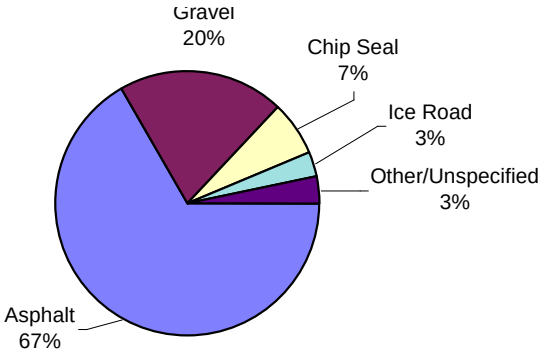
Figure 3.12



Collisions by Road Surface Type and Severity

Figure 4.1

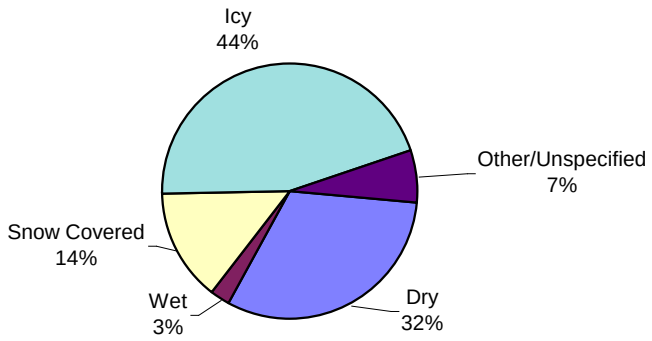
Road Surface Type	Property Damage	Personal Injury	Fatal	Total	%
Asphalt	470	61	1	532	66.7
Concrete	1	1	0	2	0.3
Gravel (Crushed Stone)	130	30	1	161	20.2
Earth, Dirt	7	0	0	7	0.9
Chip Seal	38	16	0	54	6.8
Brick, Cobblestone	0	0	0	0	0.0
Wooden	0	0	0	0	0.0
Steel	0	0	0	0	0.0
Ice Road	19	5	1	25	3.1
Unspecified	17	0	0	17	2.1
Total	**682**	**113**	**3**	**798**	100.0



Collisions by Road Surface Environmental Condition and Severity

Figure 4.2

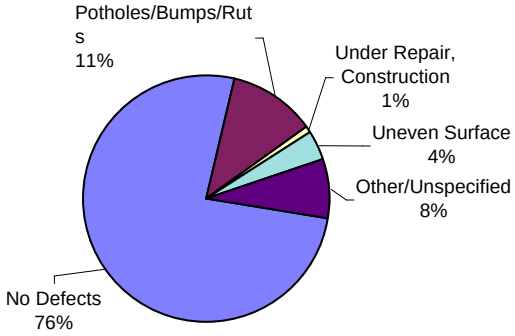
Surface Condition	Property Damage	Personal Injury	Fatal	Total	%
Dry	201	50	1	252	31.6
Wet	15	5	0	20	2.5
Snow (Fresh, Loose)	92	8	1	101	12.7
Slush, Wet Snow	9	3	0	12	1.5
Icy	319	40	1	360	45.1
Loose Sand/Gravel/Dirt	16	6	0	22	2.8
Muddy	1	0	0	1	0.1
Fresh Oil	0	0	0	0	0.0
Flooded	0	0	0	0	0.0
Other	1	0	0	1	0.1
Unspecified	28	1	0	29	3.6
Total	**682**	**113**	**3**	**798**	100



Collisions by Road Defect and Severity

Figure 4.3

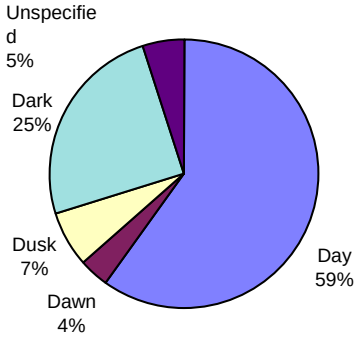
Road Defect	Property Damage	Personal Injury	Fatal	Total	%
No Defects	519	85	3	607	76.1
Potholes/Bumps/Ruts	69	22	0	91	11.4
Under Repair, Construction	6	1	0	7	0.9
Uneven Pavement Surface	28	3	0	31	3.9
Worn	10	1	0	11	1.4
Obscured or Faded Markings	1	0	0	1	0.1
Other	17	0	0	17	2.1
Unspecified	32	1	0	33	4.1
Total	**682**	**113**	**3**	**798**	100.0



Collisions by Light Condition and Severity

Figure 4.4

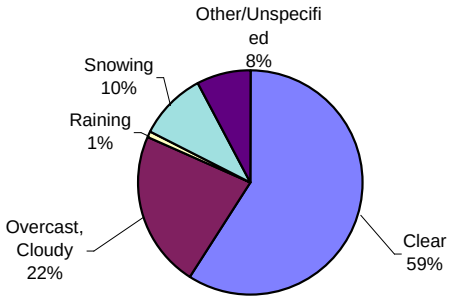
Light Condition	Property Damage	Personal Injury	Fatal	Total	%
Day	402	73	3	478	59.9
Dawn	25	4	0	29	3.6
Dusk	44	9	0	53	6.6
Dark	170	27	0	197	24.7
Unspecified	41	0	0	41	5.1
Total	**682**	**113**	**3**	**798**	100.0



Collisions by Weather Condition and Severity

Figure 4.5

Weather Condition	Property Damage	Personal Injury	Fatal	Total	%
Clear (Sunny)	401	69	2	472	59.1
Overcast, Cloudy (No Precipitation)	151	27	1	179	22.4
Raining	4	3	0	7	0.9
Snowing	66	11	0	77	9.6
Freezing Rain/Sleet/Hail	5	1	0	6	0.8
Visibility Limitations (fog, dust, etc.)	14	2	0	16	2.0
Strong Winds	2	0	0	2	0.3
Other	0	0	0	0	0.0
Unspecified	39	0	0	39	4.9
Total	**682**	**113**	**3**	**798**	100.0

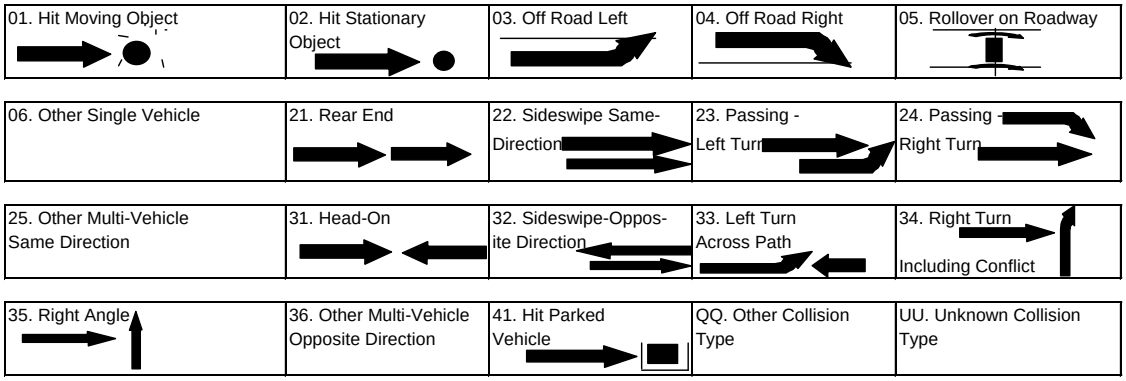


Collisions by Configuration and Severity

Figure 4.6

Configuration*	Property Damage	Personal Injury	Fatal	Total	% of Total
01. Hit Moving Object					
a) With Animal	17	2	0	19	2.4
b) With Pedestrian	2	10	0	12	1.5
c) Other	0	1	0	1	0.1
02. Hit Stationary Object	53	3	0	56	7.0
03. Off Road Left					
a) With Rollover	17	12	0	29	3.6
b) No Rollover	16	2	0	18	2.3
04. Off Road Right					
a) With Rollover	16	12	0	28	3.5
b) No Rollover	32	3	0	35	4.4
05. Rollover on Roadway	6	6	0	12	1.5
06. Other Single Vehicle	2	0	0	2	0.3
21. Rear End	84	17	0	101	12.7
22. Sideswipe - Same Direction	22	2	1	25	3.1
23. Passing - Left Turn	6	1	0	7	0.9
24. Passing - Right Turn	3	0	0	3	0.4
25. Other Multi-Vehicle Same Direction	6	0	0	6	0.8
31. Head-On	12	2	1	15	1.9
32. Sideswipe - Opposite Direction	12	3	1	16	2.0
33. Left Turn Across Path	12	6	0	18	2.3
34. Right Turn Including Conflict	2	3	0	5	0.6
35. Right Angle	92	20	0	112	14.0
36. Other Multi-Vehicle Opposite Direction	17	2	0	19	2.4
41. Hit Parked Vehicle	252	6	0	258	32.3
QQ. Other Collision Type	0	0	0	0	0.0
UU. Unknown Collision Type	1	0	0	1	0.1
Total	**682**	**113**	**3**	**798**	**100.0**

***Collision Configurations**

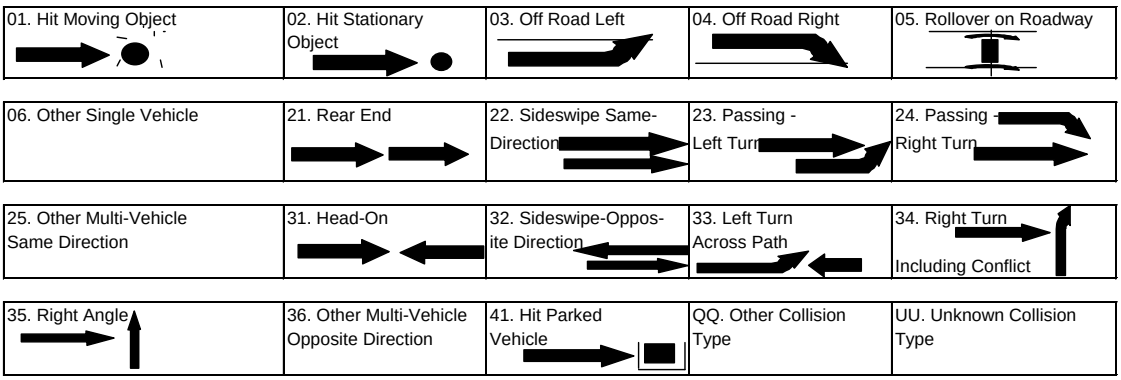


Collisions by Configuration and Road System

Figure 4.7

Configuration*	NWT Highways	In Communities	Rural	Total	% of Total
01. Hit Moving Object					
a) With Animal	16	2	1	19	2.4
b) With Pedestrian	1	11	0	12	1.5
c) Other	0	1	0	1	0.1
02. Hit Stationary Object	9	45	2	56	7.0
03. Off Road Left					
a) With Rollover	25	4	0	29	3.6
b) No Rollover	11	4	3	18	2.3
04. Off Road Right					
a) With Rollover	24	3	1	28	3.5
b) No Rollover	23	10	2	35	4.4
05. Rollover on Roadway	7	3	2	12	1.5
06. Other Single Vehicle	2	0	0	2	0.3
21. Rear End	11	90	0	101	12.7
22. Sideswipe - Same Direction	2	22	1	25	3.1
23. Passing - Left Turn	0	7	0	7	0.9
24. Passing - Right Turn	0	3	0	3	0.4
25. Other Multi-Vehicle Same Direction	2	4	0	6	0.8
31. Head-On	3	12	0	15	1.9
32. Sideswipe - Opposite Direction	10	5	1	16	2.0
33. Left Turn Across Path	0	18	0	18	2.3
34. Right Turn Including Conflict	0	5	0	5	0.6
35. Right Angle	4	108	0	112	14.0
36. Other Multi-Vehicle Opposite Direction	1	18	0	19	2.4
41. Hit Parked Vehicle	1	252	5	258	32.3
QQ. Other Collision Type	0	0	0	0	0.0
UU. Unknown Collision Type	0	1	0	1	0.1
Total	**152**	**628**	**18**	**798**	**100.0**

***Collision Configurations**



Collisions by Collision Site and Severity

Figure 4.8

Collision Site	Property Damage	Personal Injury	Fatal	Total	%
Non-Intersection	245	59	3	307	38.5
Intersection - Two Public Roadways	145	36	0	181	22.7
Intersection - Parking Lot, Driveway	145	13	0	158	19.8
Railroad Level Crossing	0	2	0	2	0.3
Bridge, Overpass, Viaduct	0	0	0	0	0.0
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	132	3	0	135	16.9
Unknown	15	0	0	15	1.9
Total	**682**	**113**	**3**	**798**	**100.0**

Collisions by Collision Site and Road System

Figure 4.9

Collision Site	NWT Highways	In Communities	Rural	Total	%
Non-Intersection	133	162	12	307	38.5
Intersection - Two Public Roadways	13	168	0	181	22.7
Intersection - Parking Lot, Driveway	3	152	3	158	19.8
Railroad Level Crossing	1	1	0	2	0.3
Bridge, Overpass, Viaduct	0	0	0	0	0.0
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	2	130	3	135	16.9
Unknown	0	15	0	15	1.9
Total	**152**	**628**	**18**	**798**	**100.0**

Collisions by Roadway Alignment and Severity

Figure 4.10

Road Alignment	Property Damage	Personal Injury	Fatal	Total	%
Straight & Level	523	81	2	606	75.9
Straight with Grade	50	8	0	58	7.3
Curved and Level	45	12	0	57	7.1
Curve with Grade	31	7	1	39	4.9
Top of Hill or Grade	7	2	0	9	1.1
Bottom of Hill or Grade	7	0	0	7	0.9
Other	1	0	0	1	0.1
Unknown	18	3	0	21	2.6
Total	**682**	**113**	**3**	**798**	**100.0**

Collisions by Roadway Type and Severity

Figure 4.11

Road Type	Property Damage	Personal Injury	Fatal	Total	%
One-Way, Two Lane	6	0	0	6	0.8
One-Way, Multi Lane	0	0	0	0	0.0
Undivided, Two-Way, Two Lane	391	88	2	481	60.3
Undivided, Two-Way, Multi Lane	44	13	1	58	7.3
Divided, Barrier Median	1	1	0	2	0.3
Divided with Median, No Barrier	30	5	0	35	4.4
Divided, Divider Unspecified	0	0	0	0	0.0
Other	195	6	0	201	25.2
Unknown	15	0	0	15	1.9
Total	**682**	**113**	**3**	**798**	**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	3	0	0	3	0.4
Hit Building	3	0	0	3	0.4
Hit Ditch	0	0	0	0	0.0
Hit Embankment, Dirt Pile, Rock	2	0	0	2	0.3
Hit Culvert End, Drainage Structure	0	0	0	0	0.0
Hit Tree. Bush, Hedge	1	0	0	1	0.1
Hit Utility Pole, Lamp Pole	4	0	0	4	0.5
Hit Curb	0	0	0	0	0.0
Hit Post	5	0	0	5	0.6
Hit Traffic Barrier	1	1	0	2	0.3
Hit Fixed Object Part of Road Structure	0	0	0	0	0.0
Hit Fixed Object NOT Part of Road Structure	1	0	0	1	0.1
Hit Other Type Fixed Object	1	0	0	1	0.1
Sub Total Fixed Objects	**21**	**1**	**0**	**22**	**2.8**
Moveable Objects					
Another Road Vehicle	520	62	3	585	73.3
Animal	17	2	0	19	2.4
Pedestrian	2	10	0	12	1.5
Other Moveable Object	0	1	0	1	0.1
Sub Total Moveable Objects	**539**	**75**	**3**	**617**	**77.3**
Non-Collision Events					
Ran Off Road	48	0	0	48	6.0
Rollover	39	30	0	69	8.6
Jack Knife or Trailer Swing	1	0	0	1	0.1
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	0	0	0	0.0
Other Non-Collision Event	0	0	0	0	0.0
Sub Total Non-Collision Events	**88**	**30**	**0**	**118**	14.8
Other/Unknown Event	34	7	0	41	5.1
Grand Total	**682**	**113**	**3**	**798**	**100.0**

Collision Sequence of Events by Road System

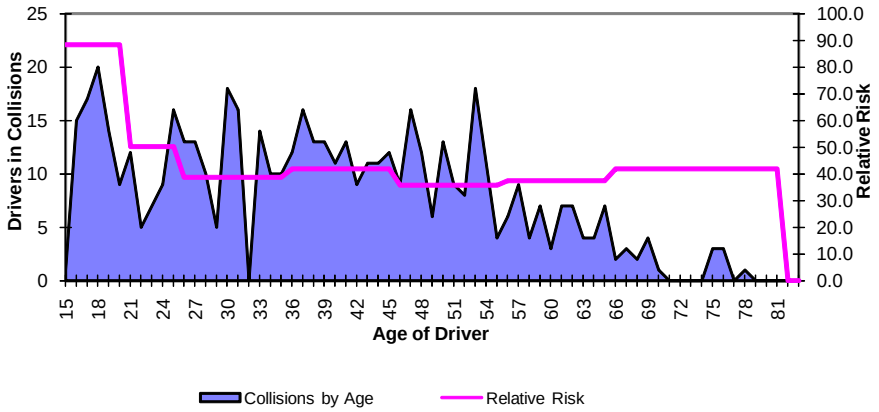
Figure 4.13

Non-Moving Objects	NWT Highways	In Communities	Rural	Total	%
Hit Parked Trailer	0	0	0	0	0.0
Hit Non-Fixed Object	0	3	0	3	0.4
Hit Building	0	3	0	3	0.4
Hit Ditch	0	0	0	0	0.0
Hit Embankment, Dirt Pile, Rock	0	1	1	2	0.3
Hit Culvert End, Drainage Structure	0	0	0	0	0.0
Hit Tree. Bush, Hedge	0	1	0	1	0.1
Hit Utility Pole, Lamp Pole	0	4	0	4	0.5
Hit Curb	0	0	0	0	0.0
Hit Post	1	4	0	5	0.6
Hit Traffic Barrier	0	2	0	2	0.3
Hit Fixed Object Part of Road Structure	0	0	0	0	0.0
Hit Fixed Object NOT Part of Road Structure	0	1	0	1	0.1
Hit Other Type Fixed Object	0	1	0	1	0.1
Sub Total Fixed Objects	**1**	**20**	**1**	**22**	**2.8**
Moveable Objects					
Another Road Vehicle	34	544	7	585	73.3
Animal	16	2	1	19	2.4
Pedestrian	1	11	0	12	1.5
Other Moveable Object	0	1	0	1	0.1
Sub Total Moveable Objects	**51**	**558**	**8**	**617**	**77.3**
Non-Collision Events					
Ran Off Road	0	0	0	0	0.0
Rollover	56	10	3	69	8.6
Jack Knife or Trailer Swing	1	0	0	1	0.1
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	0	0	0	0.0
Other Non-Collision Event	0	0	0	0	0.0
Sub Total Non-Collision Events	**57**	**10**	**3**	**70**	8.8
Unknown Event	**43**	**40**	**6**	**89**	11.2
Grand Total	**152**	**628**	**18**	**798**	**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	130	1,409	2,347	5,909	6,316	5,254	2,488	788	0	24,641
Drivers in Collisions	17	119	118	229	264	188	93	33	107	1,168

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	65.0	41.8	32.8	34.2	31.0	33.4	38.1	40.1
Personal Injury & Fatal	23.4	8.5	5.9	7.6	4.8	4.0	3.8	7.3
Total	**88.4**	**50.3**	**38.8**	**41.8**	**35.8**	**37.4**	**41.9**	**47.4**
Relative Risk*	**1.9**	**1.1**	**0.8**	**0.9**	**0.8**	**0.8**	**0.9**	**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 1.9 times more likely to be involved in a collision than the average driving population. On average, 9% of 15 to 19 year olds were involved in collisions, compared to 4% 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	10	6	0	17
16	0	0	0	0	22	0	3	2	3	0	30
17	0	0	0	0	33	0	2	2	1	0	38
18	0	0	0	0	25	0	2	0	1	1	29
19	0	0	0	0	20	0	0	0	2	0	22
20	1	0	0	2	17	0	0	1	1	1	23
21-24	3	0	2	2	79	0	4	2	2	1	95
25-34	12	2	4	18	180	0	4	4	3	2	229
35-44	18	8	13	38	173	0	1	5	3	5	264
45-54	21	3	6	30	119	0	1	2	1	5	188
55-64	12	1	10	13	54	0	0	0	0	3	93
65 and over	0	2	2	1	27	0	0	0	0	1	33
Not Stated	0	0	0	0	0	0	0	2	0	105	107
Drivers in Collisions	**67**	**16**	**37**	**104**	**749**	**0**	**18**	**30**	**23**	**124**	**1,168**
Total Licensed Drivers	**1,356**	**202**	**704**	**1,135**	**19,587**	**1**	**1,656**	**N/A**	**N/A**	**N/A**	**24,641**
Relative Risk*	**1.04**	**1.67**	**1.11**	**1.93**	**0.81**	**0.00**	**0.23**	**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	9	17	30	23	15	19	79	197	239	173	80	27	1	909	77.8
Fatigued, Fell Asleep	0	0	0	0	1	0	0	1	0	1	0	0	0	3	0.3
Inexperience	6	12	1	2	3	1	4	6	1	0	1	0	0	37	3.2
Under Influence - Alcohol	1	1	4	1	3	1	8	10	13	3	3	1	2	51	4.4
Under Influence - Drugs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sudden Illness, Lost Consciousness	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0.1
Other Condition	0	0	0	0	0	0	1	1	1	0	2	0	0	5	0.4
Unknown	1	0	3	3	0	2	3	14	10	11	6	5	104	162	13.9
Total	**17**	**30**	**38**	**29**	**22**	**23**	**95**	**229**	**264**	**188**	**93**	**33**	**107**	**1,168**	
%	1.5	2.6	3.3	2.5	1.9	2.0	8.1	19.6	22.6	16.1	8.0	2.8	9.2		**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	1	4	7	4	5	6	25	75	94	78	28	7	1	335	28.7
Following Too Closely	0	1	3	0	0	0	3	6	8	7	2	1	1	32	2.7
Distracted, Inattentive	1	4	4	4	1	4	6	11	20	11	2	3	1	72	6.2
Driving Too Fast	4	6	8	6	4	3	22	29	27	15	4	2	2	132	11.3
Improper Turning or Passing	0	1	0	0	0	0	1	2	2	2	3	0	0	11	0.9
Failing to Yield Right of Way	1	2	4	0	1	1	4	14	10	6	4	2	2	51	4.4
Disobeying Traffic Control/Officer	0	0	1	0	0	0	1	0	2	0	0	0	0	4	0.3
Driving on Wrong Side of Road	3	0	0	0	0	0	1	0	4	1	1	0	0	10	0.9
Driving in Wrong Direction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Backing Unsafely	0	4	4	9	3	2	11	29	42	27	23	12	1	167	14.3
Lost Control	5	5	6	2	5	4	16	38	37	18	14	4	3	157	13.4
Other Driver Action	1	0	0	1	0	0	1	3	2	4	1	2	0	15	1.3
Unknown	1	3	1	3	3	3	4	22	16	19	11	0	96	182	15.6
Total	**17**	**30**	**38**	**29**	**22**	**23**	**95**	**229**	**264**	**188**	**93**	**33**	**107**	**1,168**	
%	1.5	2.6	3.3	2.5	1.9	2.0	8.1	19.6	22.6	16.1	8.0	2.8	9.2		**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	352	52	2	406	29.0
Passenger Van	118	12	0	130	9.3
Light Utility Vehicle	175	31	1	207	14.8
Pickup Truck	408	43	0	451	32.2
Panel/Cargo Van	12	3	0	15	1.1
Other Truck/Van <= 4536 kg	6	2	0	8	0.6
Unit Truck > 4536 kg	16	3	1	20	1.4
Road Tractor	19	7	0	26	1.9
School Bus	2	0	0	2	0.1
Small School Bus	0	0	0	0	0.0
Urban Transit Bus	5	0	0	5	0.4
Intercity Bus	0	0	0	0	0.0
Bus - Unspecified	0	0	0	0	0.0
Motorcycle	1	1	0	2	0.1
Limited Speed Motorcycle	0	0	0	0	0.0
Off Road Vehicles (ATV)	0	4	0	4	0.3
Bicycle	1	9	0	10	0.7
Motor Home	1	0	0	1	0.1
Farm Equipment	0	0	0	0	0.0
Construction Equipment	1	0	0	1	0.1
Fire Engine	0	0	0	0	0.0
Snowmobile	8	9	3	20	1.4
Streetcar	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unknown	92	1	0	93	6.6
Total	**1217**	**177**	**7**	**1401**	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	1044	157	6	1207	86.2
Defective Brakes	1	1	0	2	0.1
Defective Steering	0	0	0	0	0.0
Defective Lighting	0	0	0	0	0.0
Tire Blown Out	1	1	0	2	0.1
Unsecured Load, Spilled Load	2	1	0	3	0.2
Oversized Load, Overload	1	0	0	1	0.1
Visibility Obstructed	14	0	0	14	1.0
Other Defective Vehicular Parts	11	1	0	12	0.9
Other Vehicular Factor	2	0	0	2	0.1
Unknown	141	16	1	158	11.3
Total	**1217**	**177**	**7**	**1401**	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	325	93	4	422	30.1
Turning Left	71	16	0	87	6.2
Turning Right	34	7	0	41	2.9
Making U-Turn	4	0	0	4	0.3
Changing Lanes	7	1	0	8	0.6
Merging	4	2	0	6	0.4
Reversing	177	6	0	183	13.1
Overtaking	7	2	0	9	0.6
Negotiating Curve	58	15	1	74	5.3
Slowing or Stopped in Traffic	156	21	0	177	12.6
Starting in Traffic	2	1	0	3	0.2
Leaving Roadside	4	0	0	4	0.3
Stopped/Parked Legally	246	7	0	253	18.1
Stopped/Parked Illegally	13	0	0	13	0.9
Swerving to Avoid Collision	8	5	2	15	1.1
Run-away or Roll-away Vehicle	5	0	0	5	0.4
Unspecified Manoeuvre	0	0	0	0	0.0
Other	0	0	0	0	0.0
Unknown	96	1	0	97	6.9
Total	**1217**	**177**	**7**	**1401**	100.0

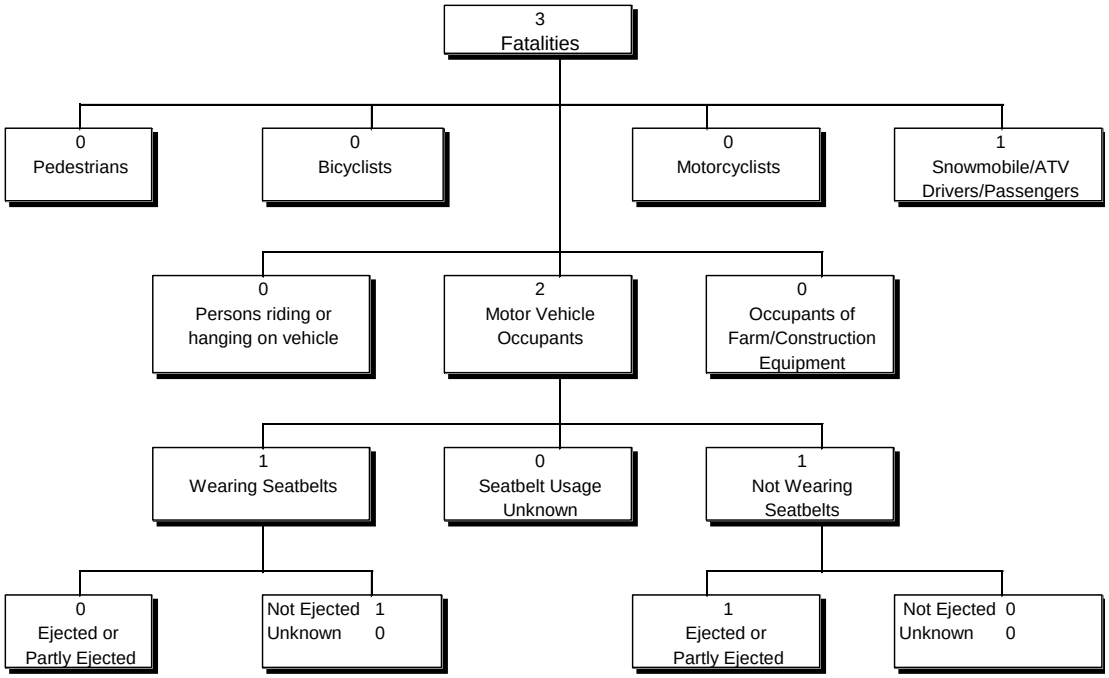
Number of Vehicles in Collisions by Vehicle Year and Severity

Figure 6.4

Model Year	Property Damage	Personal Injury	Fatal	Total	%
2005	10	0	1	11	0.8
2004	89	13	0	102	7.3
2003	166	20	0	186	13.3
2002	127	26	1	154	11.0
2001	106	15	0	121	8.6
2000	91	11	1	103	7.4
1999	77	8	0	85	6.1
1998	88	6	1	95	6.8
1997	60	9	0	69	4.9
1996	42	4	0	46	3.3
1995	31	4	0	35	2.5
1994	36	8	1	45	3.2
1993 & Older	185	37	0	222	15.8
Unspecified	109	16	2	127	9.1
Total	**1217**	**177**	**7**	**1401**	100.0

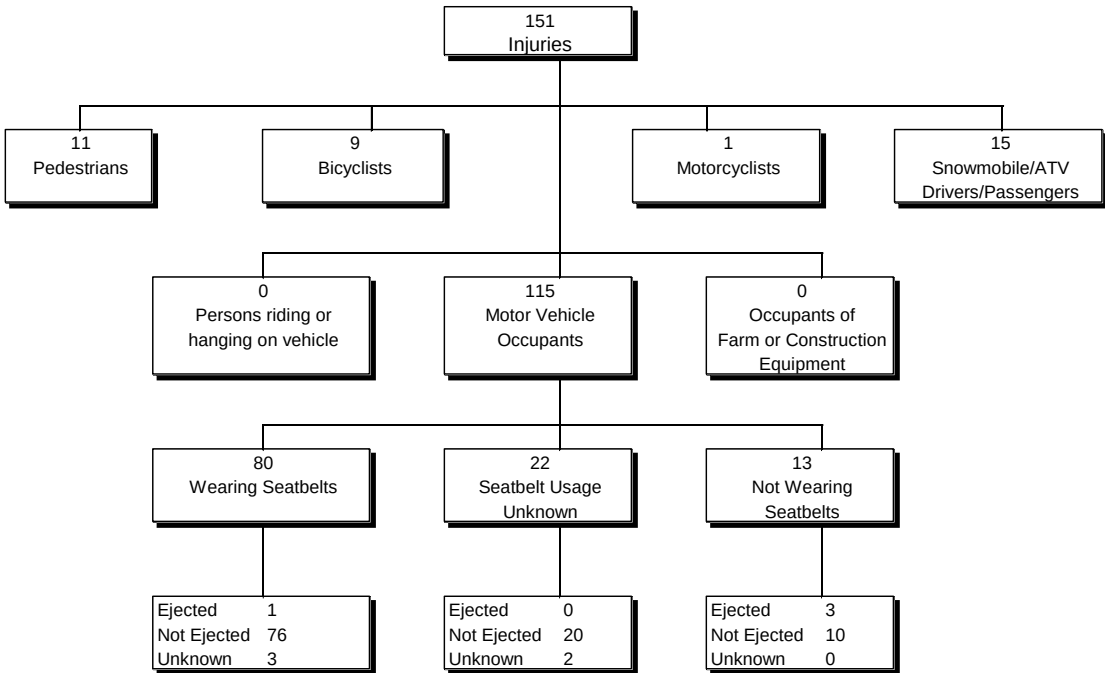
Fatalities Classification
(January 1 to December 31, 2004)

Figure 7.1



Injuries Classification
(January 1 to December 31, 2004)

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	0	8	10	12	21	14	8	0	0	**73**	48.3
Motor Vehicle Passenger	1	7	8	5	4	6	3	1	1	6	**42**	27.8
Pedestrian	1	3	4	0	0	0	0	1	2	0	**11**	7.3
Bicyclist	0	5	2	0	0	0	2	0	0	0	**9**	6.0
Motorcyclist (includes passengers	0	0	0	0	0	1	0	0	0	0	**1**	0.7
ATV Operators & Passengers	0	2	2	0	1	0	0	0	0	0	**5**	3.3
Snowmobile Operators & Passengers	0	3	3	2	1	1	0	0	0	0	**10**	6.6
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**	**20**	**27**	**17**	**18**	**29**	**19**	**10**	**3**	**6**	**151**	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	0	1	1	0	0	0	0	**2**	66.7
Motor Vehicle Passenger	0	0	0	0	0	0	0	0	0	0	**0**	0.0
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	0	0	0	0	0	0	**0**	0.0
Snowmobile Operators & Passengers	0	0	0	0	0	1	0	0	0	0	**1**	33.3
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**	**0**	**0**	**1**	**2**	**0**	**0**	**0**	**0**	**3**	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	44	29	0	**73**	1	1	0	**2**
Motor Vehicle Passenger	15	27	0	**42**	0	0	0	**0**
Pedestrian	7	4	0	**11**	0	0	0	**0**
Bicyclist	6	3	0	**9**	0	0	0	**0**
Motorcyclist (includes passengers)	1	0	0	**1**	0	0	0	**0** **0**
ATV Operators & Passengers	3	2	0	**5**	0	0	0	**0**
Snowmobile Operators & Passengers	8	2	0	**10**	1	0	0	**1**
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	**84**	**67**	**0**	**151**	**2**	**1**	**0**	**3**

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	54	17	1110	31	391	**1603**	93.2
Minimal Injuries	2	0	36	1	6	**45**	2.6
Minor Injuries	6	2	25	0	10	**43**	2.5
Major (Hospital Admission)	2	0	5	0	1	**8**	0.5
Fatal	1	0	1	0	0	**2**	0.1
Injured - Extent Unknown	3	0	11	0	5	**19**	1.1
Total	**68**	**19**	**1188**	**32**	**413**	**1720**	100.0

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

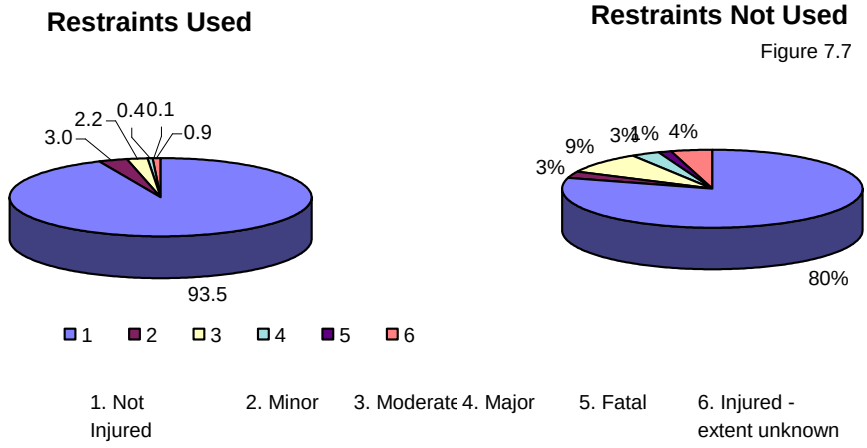


Figure 7.7

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	55	134	113	224	208	152	76	28	134	1158
Minimal Injuries	1	0	5	6	3	10	6	3	0	3	37
Minor Injuries	0	3	4	1	4	5	6	2	1	1	27
Major (Hospital Admission)	0	0	0	1	1	1	1	1	0	0	5
Fatal	0	0	0	0	1	0	0	0	0	0	1
Injured - Extent Unknown	0	2	1	1	3	4	0	0	0	0	11
Total	**35**	**60**	**144**	**122**	**236**	**228**	**165**	**82**	**29**	**138**	**1239**

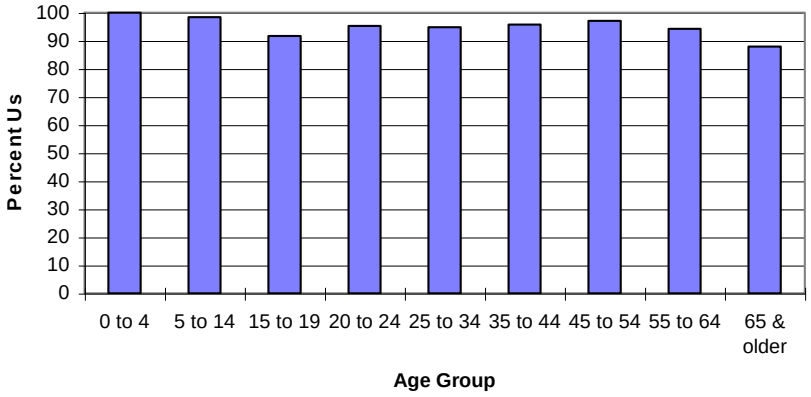
Restraints Not Used

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	0	1	10	3	11	6	5	3	4	11	54
Minimal Injuries	0	0	0	1	1	0	0	0	0	0	2
Minor Injuries	0	0	2	1	1	1	0	1	0	0	6
Major (Hospital Admission)	0	0	1	1	0	0	0	0	0	0	2
Fatal	0	0	0	0	0	1	0	0	0	0	1
Injured - Extent Unknown	0	0	0	0	0	2	0	1	0	0	3
Total	**0**	**1**	**13**	**6**	**13**	**10**	**5**	**5**	**4**	**11**	**68**

* 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	1	3	4	0	0	0	0	1	2	0	11	100.0
Killed	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	**1**	**3**	**4**	**0**	**0**	**0**	**0**	**1**	**2**	**0**	**11**	
%	9.1	27.3	36.4	0.0	0.0	0.0	0.0	9.1	18.2	0.0	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	2	0	0	0	0	0	0	0	0	2	18.2
Crossing Intersection With Traffic Control, Without Right-of-Way	0	0	1	0	0	0	0	0	0	0	1	9.1
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	1	0	1	9.1
Crossing Roadway Not at Intersection	0	0	1	0	0	0	0	0	0	0	1	9.1
Walking Along Roadway Against Traffic	0	1	0	0	0	0	0	0	0	0	1	9.1
Walking Along Roadway With Traffic	0	0	2	0	0	0	0	0	0	0	2	18.2
On Sidewalk, Median, Safety Zone	0	0	0	0	0	0	0	0	0	0	0	0.0
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	1	0	0	1	9.1
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	1	0	1	9.1
Playing on Roadway	1	0	0	0	0	0	0	0	0	0	1	9.1
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	0	0	0	0.0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	**1**	**3**	**4**	**0**	**0**	**0**	**0**	**1**	**2**	**0**	**11**	**100.0**

Pedestrians Injured or Killed By Place of Occurrence and Injury Severity

Figure 8.3

Place of Occurrence	Killed	Injured	Total	%
Urban	0	11	**11**	100.0
Rural	0	0	**0**	0.0
Unspecified	0	0	**0**	0.0
Total	**0**	**11**	**11**	100.0

Pedestrians Injured or Killed by Accident Site

Figure 8.4

Accident Site	Killed	Injured	Total	%
Non-Intersection	0	7	**7**	63.6
At Intersection of At Least Two Roadways	0	3	**3**	27.3
Intersection With Parking Lot/Driveway/Alley	0	1	**1**	9.1
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**	**11**	**11**	100.0

Pedestrians Injured or Killed by Pedestrian Condition

Figure 8.5

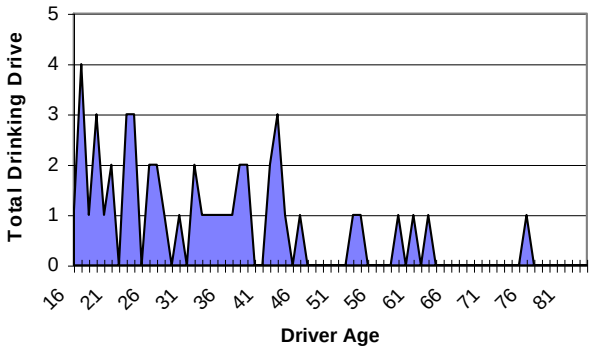
Pedestrian Condition	Killed	Injured	Total	%
Apparently Normal	0	8	8	72.7
Had Been Drinking	0	3	3	27.3
Impaired by Alcohol	0	0	0	0.0
Unknown	0	0	0	0.0
Total	**0**	**11**	**11**	100.0

Drinking Drivers in Collisions by Driver Age and Gender

Figure 9.1

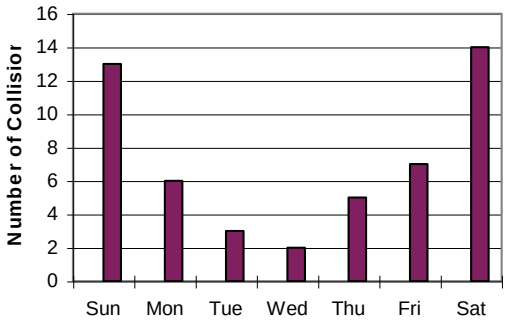
Driver Age	Male	Female	Not Stated	Total Drinking Drivers
Under 16	0	1	0	**1**
16	0	1	0	**1**
17	1	3	0	**4**
18	0	1	0	**1**
19	3	0	0	**3**
20	1	0	0	**1**
21 to 24	8	0	0	**8**
25 to 34	10	0	0	**10**
35 to 44	9	4	0	**13**
45 to 54	3	0	0	**3**
55 to 64	3	0	0	**3**
65 & Older	1	0	0	**1**
Not Stated	0	0	2	**2**
Total	**39**	**10**	**2**	**51**

Drinking Drivers by Driver Age



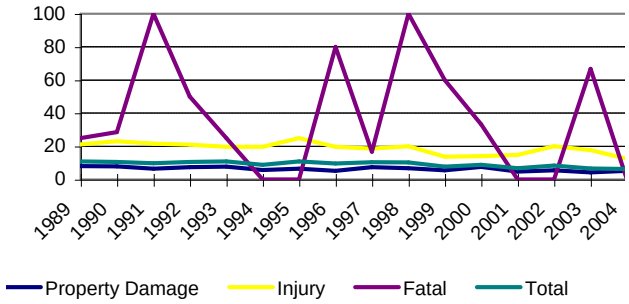
Collisions Involving Alcohol by Day of Week

Figure 9.2



Percentage of Collisons Involving Alcohol by Year and Severity

Figure 9.3



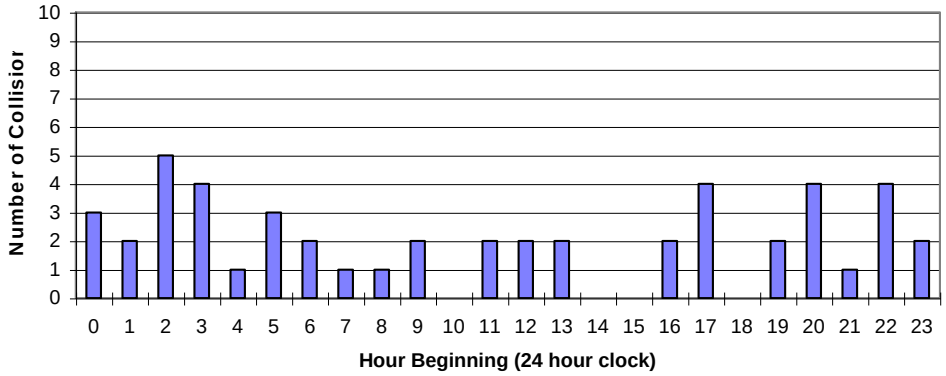
Number of Collisions and Victims Involving Alcohol

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
1994	32	34	0	66	8.9	51	0	51	20.9
1995	33	41	0	74	10.9	62	0	62	27.2
1996	25	28	8	61	9.6	50	8	58	26.7
1997	33	28	1	62	10.3	43	1	44	19.2
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
Average	**32**	**26**	**2**	**60**	**8.6**	**44**	**2**	**46**	**21.2**

Number of Alcohol Related Collisions by Time of Day

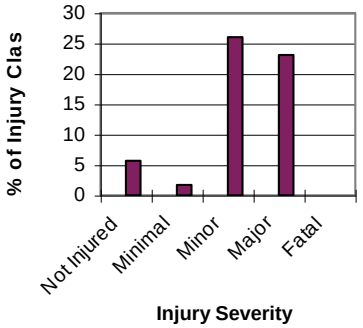
Figure 9.5



Injury Severity by Alcohol Involvement

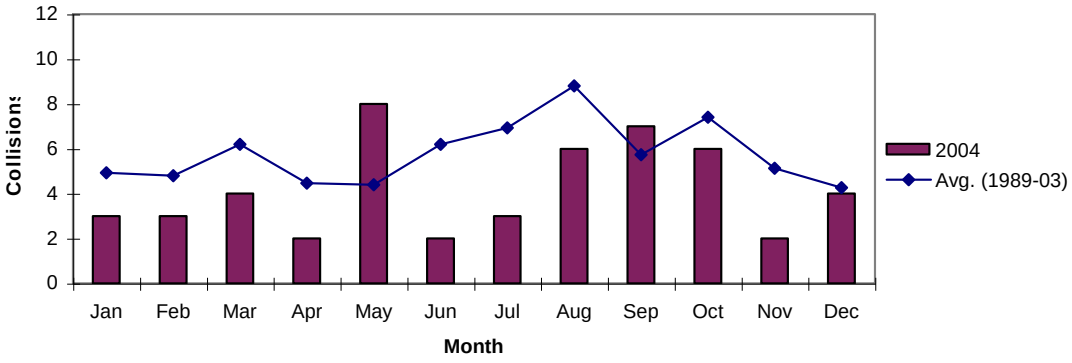
Figure 9.6

Injury Severity	Alcohol Involvement Yes	Alcohol Involvement No	Totals	% with Alcohol
Not Injured	92	1,532	1624	5.7
Minimal Injuries	1	57	58	1.7
Minor	13	37	50	26.0
Major	3	10	13	23.1
Fatal	0	3	3	0.0
Injured - Extent Unknown	4	26	30	13.3
Total	**113**	**1665**	**1778**	**6.4**



Alcohol-Involved Collisions by Month

Figure 9.7



Off-Road Vehicle Collisions by Month and Severity

Figure 10.1

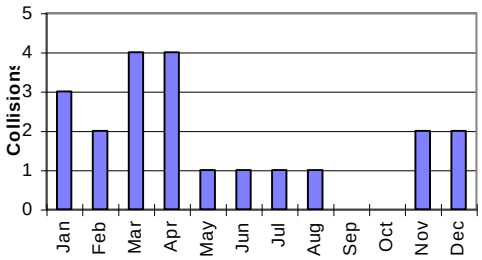
	Number of Collisions				Number of Victims	
Month	Property Damage	Personal Injury	Fatal	Total	Injured	Killed
January	2	1	0	3	1	0
February	2	0	0	2	0	0
March	1	3	0	4	4	0
April	1	3	0	4	5	0
May	0	1	0	1	1	0
June	0	1	0	1	1	0
July	0	1	0	1	1	0
August	0	1	0	1	2	0
September	0	0	0	0	0	0
October	0	0	0	0	0	0
November	1	1	0	2	1	0
December	1	0	1	2	0	1
Total	**8**	**12**	**1**	**21**	**16**	**1**

Off-Road Vehicle Collisions by Vehicle Type

Figure 10.2

	Snowmobile	ATV	Total
Total Victims	**11**	**5**	**16**
Killed	1	0	1
Injured	10	5	15
Total Vehicles Involved	**20**	**4**	**24**
Fatal	3	0	3
Injury	9	4	13
Property Damage	8	0	8

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	2	1	0	0	1	0	4	16.7
15 to 19	2	2	0	2	0	0	6	25.0
20 to 24	3	0	0	0	0	0	3	12.5
25 to 34	4	0	0	1	0	0	5	20.8
35 to 44	4	1	0	0	0	0	5	20.8
45 to 54	0	0	0	0	0	0	0	0.0
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	1	0	0	0	1	4.2
Total	**15**	**4**	**1**	**3**	**1**	**0**	**24**	**100.0**

Off-Road Vehicle Collisions by Severity and Driver Condition

Figure 10.4

Driver Condition	**Property Damage**	**Personal Injury**	**Fatal**	**Total**	**%**
Apparently Normal	6	9	2	17	70.8
Fatigue/Fell Asleep	0	0	0	0	0.0
Inexperience	1	3	0	4	16.7
Under Influence - Alcohol	0	1	0	1	4.2
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	1	0	1	2	8.3
Total	**8**	**13**	**3**	**24**	**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	0	2	3	12.5
Following Too Closely	0	0	0	0	0.0
Distracted, Inattentive	1	2	0	3	12.5
Driving Too Fast for Conditions	2	3	0	5	20.8
Improper Turning or Passing	0	0	0	0	0.0
Failed to Yield Right-of-Way	0	2	0	2	8.3
Disobeyed Traffic Control or Officer	0	0	0	0	0.0
Driving on Wrong Side of Road	0	1	0	1	4.2
Driving in Wrong Direction	0	0	0	0	0.0
Backing Unsafely	0	0	0	0	0.0
Lost Control	3	4	0	7	29.2
Other	0	0	0	0	0.0
Unknown	1	1	1	3	12.5
Total	**8**	**13**	**3**	**24**	**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	2	13	1	16	50.0
Minimal Injuries	0	8	0	8	25.0
Minor Injuries	1	2	0	3	9.4
Major (Hospital Admission)	0	2	0	2	6.3
Fatal	1	0	0	1	3.1
Injured - Extent Unknown	2	0	0	2	6.3
Total	**6**	**25**	**1**	**32**	**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	3	0	0	3	0	0
Deline	3	0	0	3	0	0
Fort Good Hope	7	2	0	9	2	0
Fort McPherson	9	3	1	13	9	1
Holman	0	0	0	0	0	0
Inuvik	63	11	0	74	16	0
Norman Wells	14	1	0	15	1	0
Sachs Harbour	0	0	0	0	0	0
Tuktoyaktuk	5	3	0	8	4	0
Tulita	1	0	0	1	0	0
Sub Total Inuvik Region	**105**	**20**	**1**	**126**	**32**	**1**

B - Fort Simpson Region

RCMP Detachment	Number of Collisions: Property Damage	Personal Injury	Fatal	Total	Number of Victims: Injured	Killed
Fort Liard	8	1	0	9	1	0
Fort Simpson	25	6	0	31	7	0
Sub Total Fort Simpson Region	**33**	**7**	**0**	**40**	**8**	**0**

C - South Slave Region

RCMP Detachment	Number of Collisions: Property Damage	Personal Injury	Fatal	Total	Number of Victims: Injured	Killed
Hay River	69	11	0	80	13	0
Fort Providence	9	2	0	11	2	0
Fort Resolution	5	0	0	5	0	0
Fort Smith	14	11	0	25	15	0
Lutsel K'e	0	1	0	1	1	0
Sub Total South Slave Region	**97**	**25**	**0**	**122**	**31**	**0**

D - North Slave Region

RCMP Detachment	Number of Collisions: Property Damage	Personal Injury	Fatal	Total	Number of Victims: Injured	Killed
Rae/Wha Ti	27	8	0	35	12	0
Yellowknife	420	53	2	475	68	2
Sub Total North Slave Region	**447**	**61**	**2**	**510**	**80**	**2**
Total - All Regions	**682**	**113**	**3**	**798**	**151**	**3**

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 (2004 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Aklavik	3	170	93	631	1.76	3.23	0.48
Deline	3	166	72	570	1.81	4.17	0.53
Fort Good Hope	9	228	116	686	3.95	7.76	1.31
Fort McPherson	13	312	216	1,008	4.17	6.02	1.29
Ulukhaktok	0	78	90	421	0.00	0.00	0.00
Inuvik	74	1,988	1,946	3,586	3.72	3.80	2.06
Norman Wells	15	522	763	848	2.87	1.97	1.77
Sachs Harbour	0	33	30	120	0.00	0.00	0.00
Tuktoyaktuk	8	410	312	1,322	1.95	2.56	0.61
Tulita	1	166	118	487	0.60	0.85	0.21
Sub Total Inuvik Region	**126**	**4,073**	**3,756**	**9,679**	**3.09**	**3.35**	**1.30**

B - Fort Simpson Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (2004 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Fort Liard	9	240	260	596	3.75	3.46	1.51
Fort Simpson	31	859	988	1,709	3.61	3.14	1.81
Sub Total Fort Simpson Region	**40**	**1,099**	**1,248**	**2,305**	**3.64**	**3.21**	**1.74**

C - South Slave Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (2004 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Hay River	80	2,826	4,283	3,956	2.83	1.87	2.02
Fort Providence	11	272	349	835	4.04	3.15	1.32
Fort Resolution	5	244	260	528	2.05	1.92	0.95
Fort Smith	25	1,521	3,107	2,514	1.64	0.80	0.99
Lutsel K'e	1	99	39	407	1.01	2.56	0.25
Sub Total South Slave Region	**122**	**4,962**	**8,038**	**8,240**	**2.46**	**1.52**	**1.48**

D - North Slave Region

RCMP Detachment	Number of Collisions	Licensed Drivers [1]	Registered Vehicles [1]	Population (2004 estimate [2])	Collision Rates: Collisions/ 100 Licensed Drivers	Collision Rates: Collisions/ 100 Registered Vehicles	Collision Rates: Collisions/ 100 Population
Behchoko/Whati	35	931	798	2,811	3.76	4.39	1.25
Yellowknife	475	13,576	14,465	19,274	3.50	3.28	2.46
Sub Total North Slave Region	**510**	**14,507**	**15,263**	**22,085**	**3.52**	**3.34**	**2.31**
Total - All Regions	**798**	**24,641**	**28,305**	**42,810**	**3.24**	**2.82**	**1.86**

[1] Number of registered vehicles and licensed drivers are as of December 31, 2004.

[2] 2004 population from NWT Bureau of Statistics July 1 estimate published in 'Quarterly Report', March 2005.

Collisions on the NWT Highway System Figure 11.3

Highway #1 (Mackenzie)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	1.0	17 Feb 2004	Property Damage	Ran Off Road - Right	0	0
	26.0	25 Mar 2004	Property Damage	Ran Off Road - Left	0	0
	53.0	26 Feb 2004	Property Damage	Single Vehicle Rollover	0	0
	54.0	14 Aug 2004	Injury	Single Vehicle Rollover	2	0
	63.0	26 Feb 2004	Property Damage	Ran Off Road - Left	0	0
	69.0	18 Aug 2004	Property Damage	Single Vehicle Rollover	0	0
	72.0	12 Oct 2004	Property Damage	Single Vehicle Rollover	0	0
	72.8	14 Jan 2004	Property Damage	Ran Off Road - Right	0	0
	81.0	21 Aug 2004	Property Damage	Single Vehicle Rollover	0	0
	83.8	24 Sep 2004	Property Damage	Rear End	0	0
	84.0	1 Jan 2004	Property Damage	Ran Off Road - Right	0	0
	85.4	13 Sep 2004	Injury	Single Vehicle Rollover	1	0
	125.0	2 Aug 2004	Property Damage	Animal Strike	0	0
	128.9	16 Feb 2004	Property Damage	Ran Off Road - Left	0	0
	130.0	14 Oct 2004	Property Damage	Single Vehicle Rollover	0	0
	168.0	24 Aug 2004	Injury	Single Vehicle Rollover	2	0
	178.0	3 Dec 2004	Property Damage	Rear End	0	0
	182.5	21 Feb 2004	Property Damage	Ran Off Road - Right	0	0
	325.4	6 Mar 2004	Property Damage	Ran Off Road - Right	0	0
	352.0	27 Feb 2004	Property Damage	Ran Off Road - Right	0	0
	371.0	1 Oct 2004	Property Damage	Animal Strike	0	0
	382.3	9 Aug 2004	Injury	Single Vehicle Rollover	1	0
	394.0	29 Apr 2004	Property Damage	Single Vehicle Rollover	0	0
	469.8	4 Jul 2004	Injury	Single Vehicle Rollover	1	0
	491.0	25 Jul 2004	Injury	Single Vehicle Rollover	1	0
	612.0	15 Oct 2004	Injury	Single Vehicle Rollover	2	0

Summary Highway #1	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	19	7	0	26	10	0

Highway #2 (Hay River)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	1.0	31 Jul 2004	Property Damage	Ran Off Road - Right	0	0
	5.0	9 Sep 2004	Property Damage	Animal Strike	0	0
	37.0	7 Aug 2004	Property Damage	Other Multi-Vehicle Different Direction	0	0
	37.1	28 Dec 2004	Property Damage	Single Vehicle Rollover	0	0
	38.8	4 Jan 2004	Property Damage	Right Angle	0	0
	39.0	7 Jan 2004	Injury	Ran Off Road - Left	1	0
	40.6	20 Dec 2004	Property Damage	Other Multi-Vehicle Same Direction	0	0
	42.0	10 Jan 2004	Injury	Rear End	1	0
	43.6	7 Mar 2004	Property Damage	Right Angle	0	0
	43.8	29 Jan 2004	Property Damage	Single Vehicle Rollover	0	0
	43.8	16 Feb 2004	Injury	Collision with Fixed Object	1	0
	43.8	30 Nov 2004	Property Damage	Head-on	0	0
	46.0	31 Jul 2004	Injury	Single Vehicle Rollover	1	0

Summary Highway #2	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	9	4	0	13	4	0

Highway #3 (Yellowknife)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	16.7	14 Nov 2004	Property Damage	Animal Strike	0	0
	17.2	31 Jul 2004	Property Damage	Collision with Parked Vehicle	0	0
	31.4	2 Dec 2004	Property Damage	Single Vehicle Rollover	0	0
	47.0	25 Feb 2004	Property Damage	Single Vehicle Rollover	0	0
	70.0	9 Aug 2004	Property Damage	Animal Strike	0	0
	100.0	9 Aug 2004	Injury	Single Vehicle Rollover	1	0
	122.9	1 Oct 2004	Property Damage	Ran Off Road - Right	0	0
	123.0	26 Jan 2004	Injury	Animal Strike	1	0
	158.0	25 Nov 2004	Injury	Rear End	2	0
	172.0	23 Jan 2004	Property Damage	Single Vehicle Rollover	0	0
	200.0	6 Sep 2004	Property Damage	Animal Strike	0	0
	208.0	10 Apr 2004	Property Damage	Animal Strike	0	0
	238.0	13 Jun 2004	Property Damage	Ran Off Road - Right	0	0
	238.0	20 Aug 2004	Injury	Animal Strike	1	0
	242.0	7 Jan 2004	Property Damage	Single Vehicle Rollover	0	0
	246.0	13 Feb 2004	Property Damage	Ran Off Road - Right	0	0
	246.0	11 Nov 2004	Property Damage	Animal Strike	0	0
	254.7	30 May 2004	Injury	Single Vehicle Rollover	1	0
	260.0	7 Oct 2004	Property Damage	Animal Strike	0	0
	263.0	20 Sep 2004	Injury	Single Vehicle Rollover	1	0
	270.0	27 Sep 2004	Property Damage	Animal Strike	0	0
	276.0	30 Aug 2004	Property Damage	Ran Off Road - Left	0	0
	276.8	16 Nov 2004	Property Damage	Single Vehicle Rollover	0	0
	278.8	3 Dec 2004	Injury	Collision with Fixed Object	3	0
	304.0	13 Oct 2004	Property Damage	Ran Off Road - Left	0	0
	306.3	9 Dec 2004	Property Damage	Single Vehicle Rollover	0	0
	314.0	30 Jun 2004	Property Damage	Other Single Vehicle Collision	0	0
	317.0	11 Jun 2004	Injury	Single Vehicle Rollover	2	0
	318.8	13 Dec 2004	Property Damage	Single Vehicle Rollover	0	0
	325.0	25 Jul 2004	Injury	Ran Off Road - Right	2	0
	328.8	22 Oct 2004	Property Damage	Ran Off Road - Left	0	0
	329.0	21 Oct 2004	Property Damage	Ran Off Road - Left	0	0
	330.7	21 Jul 2004	Injury	Single Vehicle Rollover	3	0
	332.0	25 Oct 2004	Property Damage	Ran Off Road - Right	0	0
	334.0	23 Aug 2004	Injury	Collision with Pedestrian	1	0
	336.7	29 Feb 2004	Property Damage	Collision with Fixed Object	0	0
	336.7	22 Jul 2004	Property Damage	Ran Off Road - Right	0	0
	336.7	23 Aug 2004	Property Damage	Sideswipe - Same Direction	0	0
	336.7	3 Dec 2004	Property Damage	Ran Off Road - Right	0	0
	338.4	7 Dec 2004	Property Damage	Other Multi-Vehicle Same Direction	0	0
	338.6	16 May 2004	Property Damage	Rear End	0	0
	338.8	29 Dec 2004	Property Damage	Right Angle	0	0

Summary Highway #3	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	31	11	0	42	18	0

Highway #4 (Ingraham Trail)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	0.2	21 Jun 2004	Fatal	Sideswipe - Opposite Direction	3	1
	2.0	4 Jun 2004	Property Damage	Collision with Fixed Object	0	0
	3.1	4 May 2004	Property Damage	Ran Off Road - Left	0	0
	16.8	7 Mar 2004	Property Damage	Ran Off Road - Right	0	0
	17.0	17 Oct 2004	Property Damage	Ran Off Road - Right	0	0
	20.0	30 Jan 2004	Property Damage	Single Vehicle Rollover	0	0
	46.0	30 May 2004	Injury	Rear End	1	0
	60.0	14 Feb 2004	Property Damage	Ran Off Road - Right	0	0

Summary Highway #4	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	6	1	1	8	4	1

Highway #5 (Fort Smith Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	0.0	21 Sep 2004	Property Damage	Rear End	0	0
	5.4	22 Feb 2004	Property Damage	Single Vehicle Rollover	0	0
	34.3	14 Oct 2004	Property Damage	Single Vehicle Rollover	0	0
	132.0	6 Aug 2004	Injury	Single Vehicle Rollover	2	0
	135.0	21 Jun 2004	Injury	Single Vehicle Rollover	1	0
	140.0	30 Aug 2004	Property Damage	Animal Strike	0	0
	141.0	2 Mar 2004	Injury	Single Vehicle Rollover	1	0
	144.0	10 Sep 2004	Property Damage	Animal Strike	0	0
	161.0	15 Aug 2004	Property Damage	Single Vehicle Rollover	0	0
	166.0	23 Oct 2004	Injury	Single Vehicle Rollover	2	0

Summary Highway #5	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	6	4	0	10	6	0

Highway #6 (Fort Resolution Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	67.3	16 Jan 2004	Property Damage	Ran Off Road - Left	0	0

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

Highway #7 (Liard Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	0.6	20 Jan 2004	Property Damage	Animal Strike	0	0
	88.4	12 Sep 2004	Property Damage	Animal Strike	0	0
	144.0	17 Oct 2004	Property Damage	Single Vehicle Rollover	0	0
	212.0	25 Feb 2004	Property Damage	Single Vehicle Rollover	0	0
	214.1	18 Feb 2004	Property Damage	Ran Off Road - Right	0	0
	237.9	12 Sep 2004	Property Damage	Single Vehicle Rollover	0	0
	239.1	8 Mar 2004	Property Damage	Ran Off Road - Left	0	0

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

Highway #8 (Dempster Highway)	On Km	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
	12.0	16 Jul 2004	Injury	Single Vehicle Rollover	1	0
	46.0	22 Aug 2004	Property Damage	Single Vehicle Rollover	0	0
	56.0	12 Sep 2004	Injury	Single Vehicle Rollover	2	0
	74.2	14 Jul 2004	Property Damage	Collision with Fixed Object	0	0
	112.6	13 Mar 2004	Property Damage	Single Vehicle Rollover	0	0
	122.0	13 Feb 2004	Fatal	Head-on	3	1
	122.4	15 Aug 2004	Property Damage	Single Vehicle Rollover	0	0
	123.4	23 Mar 2004	Property Damage	Single Vehicle Rollover	0	0
	158.6	12 Mar 2004	Property Damage	Rear End	0	0
	173.0	22 Jul 2004	Injury	Ran Off Road - Right	1	0
	177.9	12 Mar 2004	Property Damage	Sideswipe - Opposite Direction	0	0
	209.0	28 Aug 2004	Property Damage	Single Vehicle Rollover	0	0
	220.9	30 Mar 2004	Property Damage	Ran Off Road - Right	0	0
	225.0	19 Jul 2004	Property Damage	Single Vehicle Rollover	0	0
	229.3	18 Nov 2004	Property Damage	Sideswipe - Opposite Direction	0	0
	242.0	22 Feb 2004	Property Damage	Rear End	0	0
	259.3	9 Feb 2004	Property Damage	Rear End	0	0
	265.3	12 Jan 2004	Property Damage	Single Vehicle Rollover	0	0
	269.5	20 Aug 2004	Injury	Single Vehicle Rollover	1	0

Summary Highway #8	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	14	4	1	19	8	1

Access and Winter Roads	Collision Date	Collision Severity	Collision Configuration	# Persons Injured	# Persons Killed
Fort Simpson Access Road	4 Sep 2004	Property Damage	Ran Off Road - Right	0	0
Inuvik Access Road	23 Feb 2004	Property Damage	Collision with Fixed Object	0	0
Inuvik Access Road	23 Feb 2004	Property Damage	Collision with Fixed Object	0	0
Prelude West Access Road	2 Jan 2004	Property Damage	Collision with Fixed Object	0	0
Rae Access Road	12 Aug 2004	Injury	Sideswipe - Same Direction	1	0
Rae Access Road	2 Oct 2004	Property Damage	Single Vehicle Rollover	0	0
Vee Lake Access Road	10 Jan 2004	Property Damage	Head-on	0	0
Yellowknife Access Road	10 Aug 2004	Injury	Single Vehicle Rollover	3	0
Yellowknife Access Road	24 Sep 2004	Property Damage	Right Angle	0	0
Yellowknife Access Road	9 Dec 2004	Property Damage	Rear End	0	0
Aklavik Winter Access Road	9 Apr 2004	Property Damage	Single Vehicle Rollover	0	0
Colville Lake Winter Access Road	28 Feb 2004	Property Damage	Sideswipe - Opposite Direction	0	0
Colville Lake Winter Access Road	12 Mar 2004	Property Damage	Sideswipe - Opposite Direction	0	0
Dettah Winter Access Road	29 Feb 2004	Property Damage	Collision with Fixed Object	0	0
Inuvik-Tuktoyaktuk Winter Road	19 Apr 2004	Property Damage	Single Vehicle Rollover	0	0
Mackenzie Highway Winter Road	15 Jan 2004	Injury	Sideswipe - Opposite Direction	1	0
Mackenzie Highway Winter Road	21 Jan 2004	Property Damage	Ran Off Road - Right	0	0
Mackenzie Highway Winter Road	24 Jan 2004	Property Damage	Single Vehicle Rollover	0	0
Mackenzie Highway Winter Road	24 Feb 2004	Property Damage	Ran Off Road - Right	0	0
Mackenzie Highway Winter Road	26 Feb 2004	Property Damage	Sideswipe - Opposite Direction	0	0
Mackenzie Highway Winter Road	12 Mar 2004	Injury	Single Vehicle Rollover	1	0
Mackenzie Highway Winter Road	21 Mar 2004	Property Damage	Sideswipe - Opposite Direction	0	0
Mackenzie Highway Winter Road	23 Apr 2004	Property Damage	Sideswipe - Opposite Direction	0	0
Rae Lakes Winter Access Road	12 Mar 2004	Property Damage	Sideswipe - Opposite Direction	0	0
Rae Lakes Winter Access Road	16 Apr 2004	Property Damage	Single Vehicle Rollover	0	0
Wha Ti Winter Access Road	17 Mar 2004	Property Damage	Other Single Vehicle Collision	0	0

Summary Access and Winter Roads	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	22	4	0	26	6	0

Summary All NWT Highways	Property Damage Collisions	Personal Injury Collisions	Fatal Collisions	Total Collisions	Persons Injured	Persons Killed
	115	35	2	152	56	2

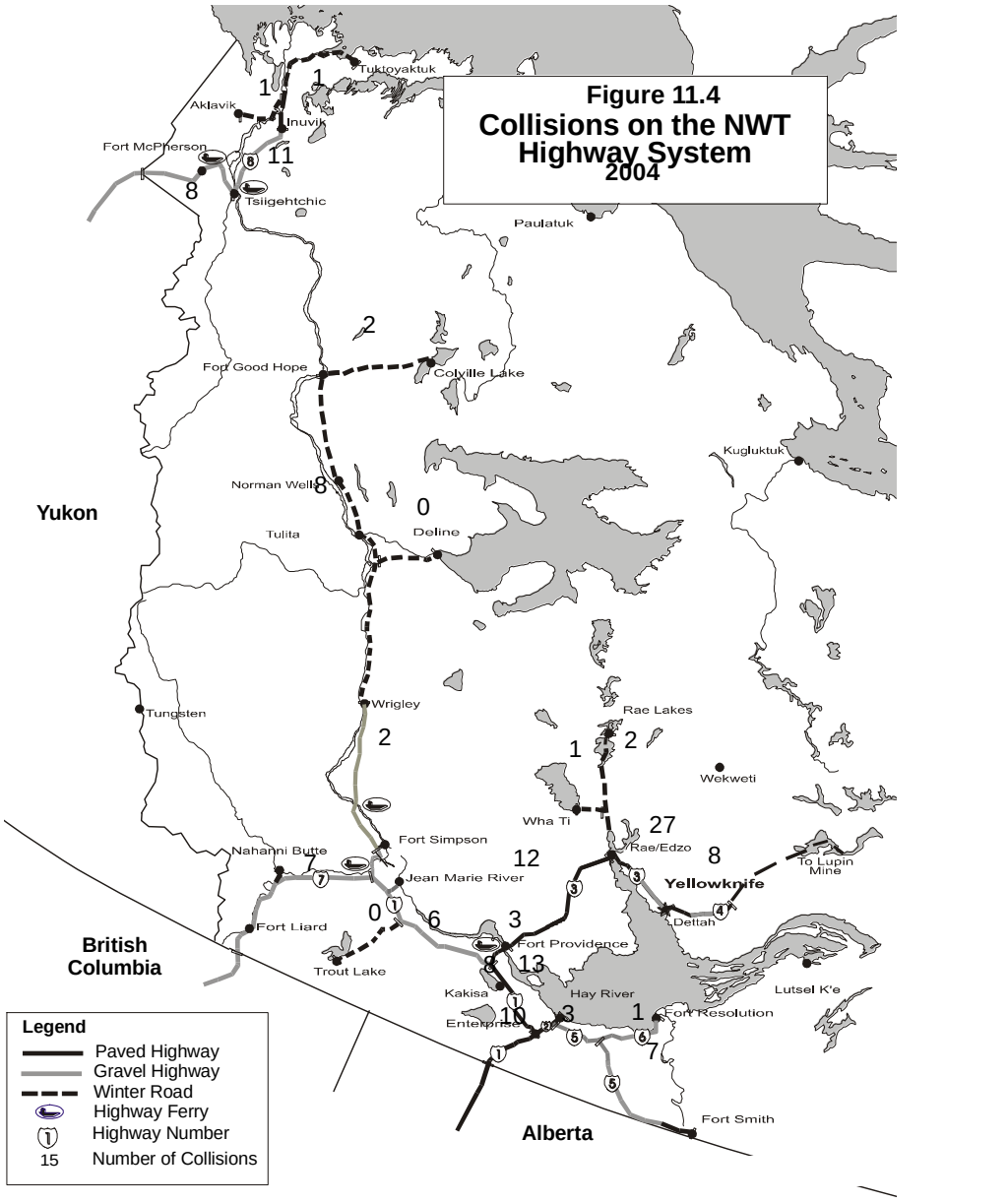


Figure 11.4
Collisions on the NWT Highway System
2004
Tuktoyaktuk
Aklavik
Inuvik
Fort McPherson
Tsiigehtchic
Paulatuk
Fort Good Hope
Colville Lake
Kugluktuk
Norman Wells
Yukon
Tulita
Deline
Wrigley
Tungsten
Rae Lakes
Wekweti
Wha Ti
Fort Simpson
Nahanni Butte
Rae/Edzo
To Lupin Mine
Jean Marie River
Yellowknife
Dettah
Fort Liard
British Columbia
Fort Providence
Trout Lake
Kakisa
Hay River
Lutsel K'e
Enterprise
Fort Resolution
Fort Smith
Alberta
Legend
Paved Highway
Gravel Highway
Winter Road
Highway Ferry
Highway Number
Number of Collisions

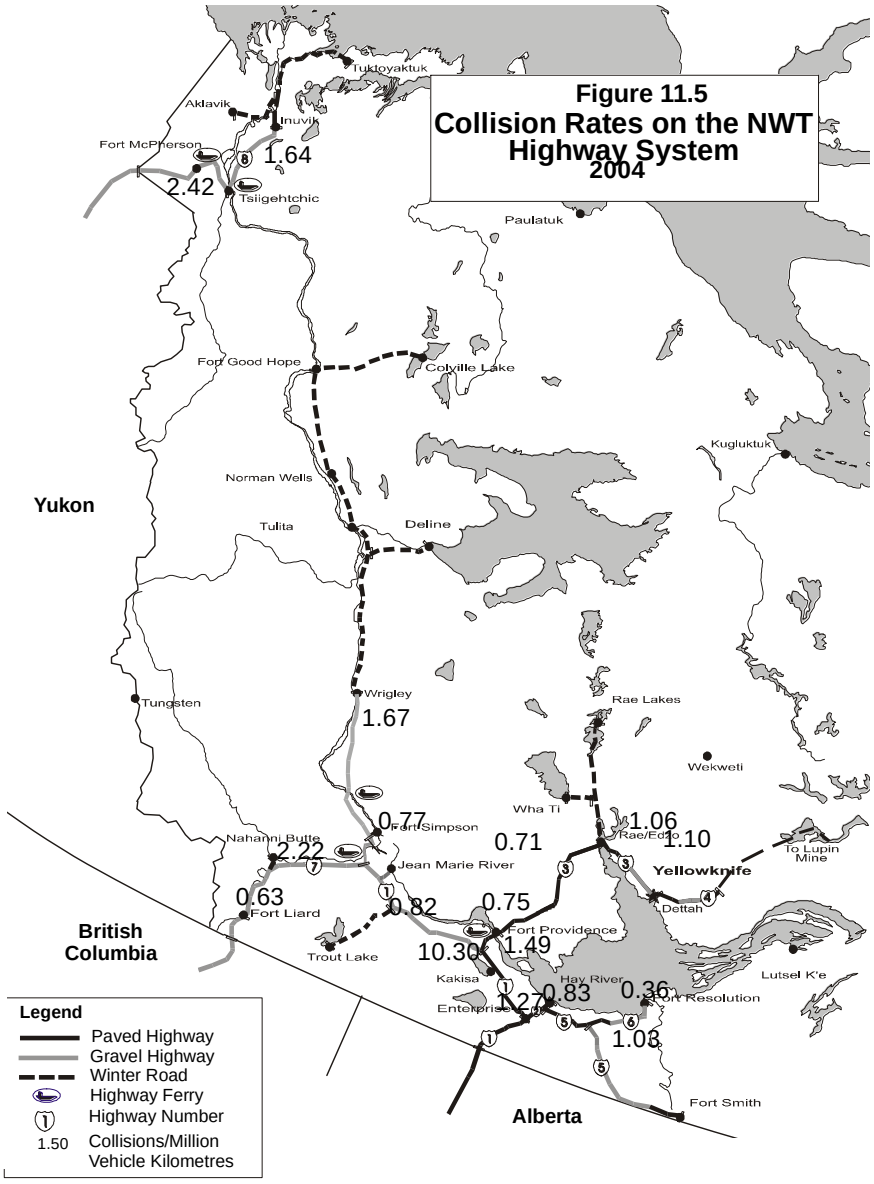
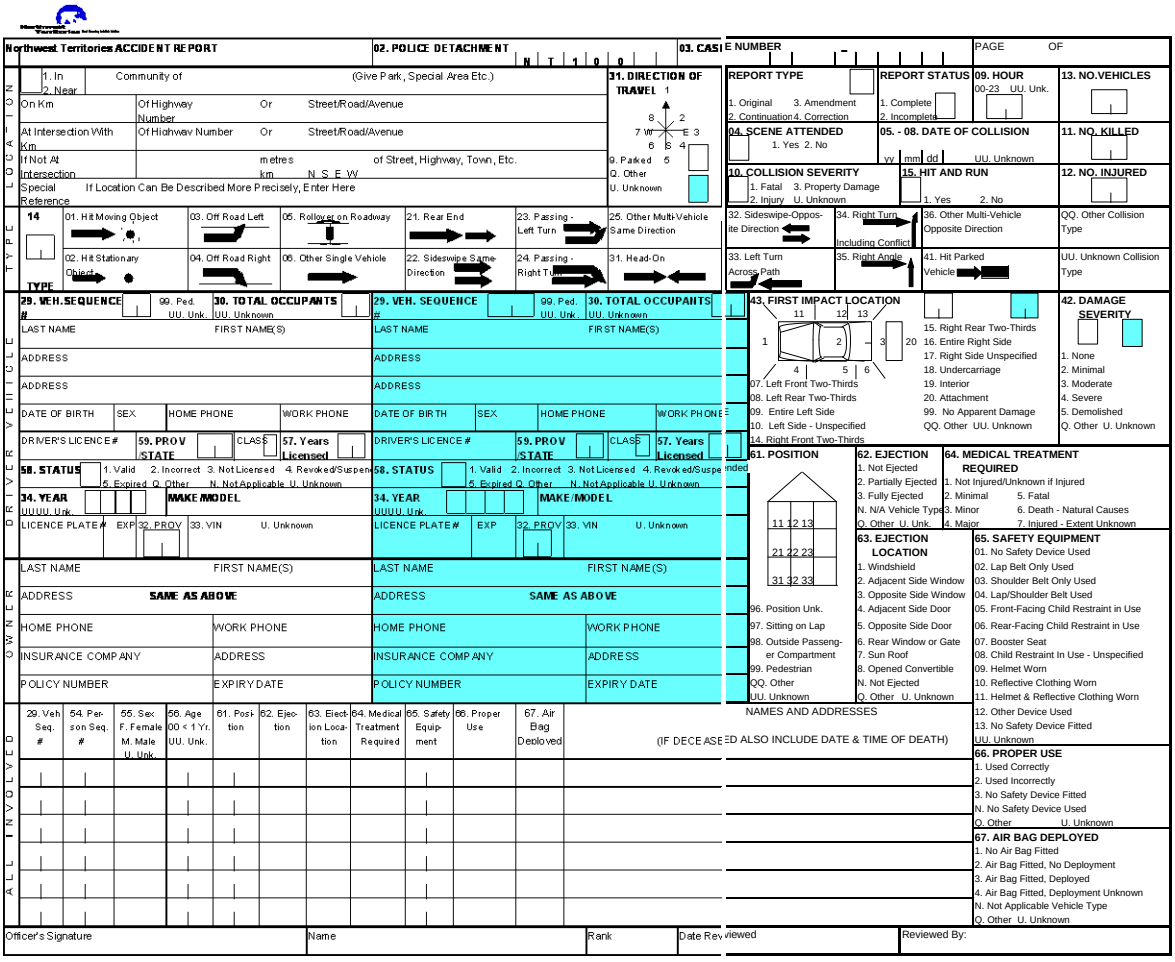


Figure 11.5
Collision Rates on the NWT Highway System
2004
Tuktoyaktuk
Aklavik
Inuvik
Fort McPherson
1.64
2.42
Tsiigehtchic
Paulatuk
Fort Good Hope
Colville Lake
Kugluktuk
Norman Wells
Yukon
Tulita
Deline
Tungsten
Wrigley
1.67
Rae Lakes
Wekweti
Wha Ti
0.77
Fort Simpson
0.71
1.06
Rae/Edzo
1.10
To Lupin Mine
Nahanni Butte
2.22
Jean Marie River
Yellowknife
Dettah
0.63
Fort Liard
0.82
0.75
Fort Providence
British Columbia
Trout Lake
10.30
1.49
Kakisa
Hay River
Lutsel K'e
Enterprise
1.27
0.83
0.36
Fort Resolution
1.08
Fort Smith
Alberta
Legend
Paved Highway
Gravel Highway
Winter Road
Highway Ferry
Highway Number
1.50 Collisions/Million Vehicle Kilometres

Casualty Rates by Canadian Jurisdiction - 2003 [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	**8.8**	**702.7**	**8.9**	**711.0**	**13.0**	**1,036.9**
Newfoundland & Labrador	7.9	550.8	11.0	768.5	11.8	821.9
Prince Edward Island	11.6	728.6	12.0	753.3	16.5	1,033.9
Nova Scotia	7.5	565.3	6.7	504.1	10.6	802.7
New Brunswick	12.4	601.8	11.8	572.5	17.7	859.0
Quebec	8.3	746.5	8.4	754.3	13.3	1,200.6
Ontario	6.9	636.0	7.3	669.2	9.9	911.3
Manitoba	8.9	841.2	8.5	795.9	15.2	1,425.1
Saskatchewan	14.9	760.5	12.1	618.0	22.1	1,131.5
Alberta	12.2	837.9	9.8	671.8	16.3	1,118.0
British Columbia	10.6	739.8	12.9	902.5	15.5	1,081.0
Yukon	22.5	749.2	14.1	468.3	30.6	1,019.8
Northwest Territories	**7.2**	**410.5**	**8.2**	**471.4**	**10.2**	**585.7**
Nunavut	20.4	N/A	N/A	N/A	N/A	N/A

[1] Canadian Motor Vehicle Traffic Collision Statistics: 2003. 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

COLLISION 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 (1 2 3 4 5 6 11 12 13 20)

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

61. POSITION (11 12 13 / 21 22 23 / 31 32 33)

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

OWNER

LAST NAME — FIRST NAME(S)

ADDRESS — SAME AS ABOVE

HOME PHONE — WORK PHONE

INSURANCE COMPANY — ADDRESS

POLICY NUMBER — EXPIRY DATE

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

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)

NAMES AND ADDRESSES (IF DECEASED ALSO INCLUDE DATE & TIME OF DEATH)

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

North

POLICE COMMENTS

PROPOSED ACTION

The following is a brief description of the three fatal traffic collisions that took place in the Northwest Territories in 2004, resulting in three fatalities.

RCMP Detachment	Date	Description
Fort McPherson	13-Feb	Driver of passenger car lost control and collided head-on with sport utility vehicle near Km 122 on Highway #8. The fully-restrained driver sustained fatal injuries while the three occupants of the sport utility vehicle suffered moderate injuries. It is unknown if alcohol was involved.
Yellowknife	21-Jun	Passenger car sideswiped gravel truck travelling in opposite direction on Highway #4, approximately 200 metres north of Highway #3. The driver of the passenger car died in hospital while the two passengers sustained moderate injuries. The driver of the gravel truck suffered minor injuries. It is unknown if alcohol was involved.
Yellowknife	28-Dec	Collision involving three snowmobiles on a ploughed ice road outside Yellowknife city limits. One snowmobile side-swiped another snowmobile travelling in the same direction. The operator fell off and was subsequently struck by a third snowmobile. The operator died enroute to hospital. All three operators were wearing helmets. Alcohol was not involved.