

TABLE OF CONTENTS

QUICK FACTS

2012 Quick Facts	3
Crash Watch 2012 Upper Peninsula	5

HISTORICAL INFORMATION

10 Year (2003-2012)

Vehicle Registrations	9
Vehicle Miles Traveled	9
Total Crashes	9
Motor Vehicle Deaths	10
Injuries in Motor Vehicle Crashes	10
Total Fatal Crashes	10
HBD Fatalities	11
HBD Injuries	11
HBD Fatal Crashes	11
Restraint Usage	12
Licensed Drivers	12
Mileage Death Rate	12
Total Crash Rate	13
Personal Injury Crash Rate	13
Property Damage Crash Rate	13
Male vs. Female Drivers in All Crashes	14
Male vs. Female Drivers in Fatal Crashes	14
Male vs. Female Drinking Drivers in All Crashes	14
All Drivers in All and Fatal Crashes	15
Teen/Young Adult Drivers in All and Fatal Crashes	15
Elderly Drivers in All and Fatal Crashes	15
All Drinking Drivers in All and Fatal Crashes	16
Teen/Young Adult Drinking Drivers in All and Fatal Crashes	16
Elderly Drinking Drivers in All and Fatal Crashes	16
Motor Vehicles in All and Fatal Crashes	17
Motorcycles in All and Fatal Crashes	17
Pedestrians in All and Fatal Crashes	17
Bicycles in All and Fatal Crashes	18
Snowmobiles on Roadway in All and Fatal Crashes	18
ORV/ATV's on Roadway in All and Fatal Crashes	18
Vehicle-Train Crashes	19
Vehicle-Deer Crashes	19
Farm Equipment Crashes	19
Death & Injury per Crash-Involved Occupant	20
Average Age of Drivers in Crashes	21

5 Year (2008-2012)

Age of Persons Killed, Total	23
Age of Drivers Involved in Fatal Crashes	24
Age of Drivers Involved in Single Vehicle Fatal Crashes	24
Age of Bicyclists Killed	25
Age of Pedestrians Killed	25
Select Holiday Data	26
Motor Vehicle Deaths in the Upper Peninsula	27

1 Year (2011-2012)

Summary Trends	29
More Upper Peninsula Crash Facts	31
2012 Cost of Crashes in the Upper Peninsula	31

Map of Where Traffic Fatalities Occurred	32
Years (1982-2012)	
Motor Vehicle Traffic Deaths in the Upper Peninsula by Month	33
Motor Vehicle Traffic Crash and Related Data.....	34

AGE

Person's Age and Injury Severity by Person Type.....	37
Driver Age 16-20	
Action Prior to Crash - Driver Action	41
Most Harmful Event	42
Crash Type.....	44
Relationship to Roadway	44
Roadway Type.....	44
Time and Severity.....	45
Hazardous Action	45
Day of Week.....	46
Driver Gender.....	46
Number of Occupants in Motor Vehicle	46
Vehicle Type.....	47
Driver Age 21-64	
Action Prior to Crash - Driver Action	49
Most Harmful Event	50
Crash Type.....	52
Relationship to Roadway	52
Roadway Type.....	52
Time and Severity.....	53
Hazardous Action	53
Day of Week.....	54
Driver Gender.....	54
Number of Occupants in Motor Vehicle	54
Vehicle Type.....	55
Driver Age 65 & Over	
Action Prior to Crash - Driver Action	57
Most Harmful Event	58
Crash Type.....	60
Relationship to Roadway	60
Roadway Type.....	60
Time and Severity.....	61
Hazardous Action	61
Day of Week.....	62
Driver Gender.....	62
Number of Occupants in Motor Vehicle	62
Vehicle Type.....	63

ALCOHOL

Injury Experience for Persons Who Had Been Drinking	67
Drivers Drinking and/or Using Drugs & Injury Severity in Crash	69
All Crashes and HBD Crashes by Injury Severity	70
Death & Injury per Crash Involved Occupant	71
All Drivers and HBD Drivers Injury Severity - Ejected vs. Not Ejected	72
All Occupants and Occupants of HBD Crashes Injury Severity - Ejected vs. Not Ejected	73
Injury Severity & Restraint Use for Crash Involved KABC Drivers	74
Injury Severity & Restraint Use for Crash Involved KABC Occupants	75
Alcohol Involvement in Injury Crashes	78
Male Drivers & Injury Severity in Crash	80

Male Drinking Drivers & Injury Severity in Crash	81
Female Drivers & Injury Severity in Crash	82
Female Drinking Drivers & Injury Severity in Crash	83
Map of Traffic Fatalities with Drinking Involvement by County	84

DEER

Map of Upper Peninsula Motor Vehicle-Deer Involved Crashes	87
Light Condition in Motor Vehicle-Deer Crashes	88
Monthly and Seasonal Rates for Motor Vehicle-Deer Crashes	89

CRASH - *Circumstances common to all traffic units in a crash*

All Crashes Injury Severity by Month	93
Crash Type	94
Relationship to Roadway	94
Time and Severity	95
Day of Week	96
Road Condition	97
Weather Condition	98
Light Condition	99
Intersection Crashes by Traffic Control Type	100
Construction Zone Crashes	101

VEHICLE/DRIVER - *Characteristics specific to individual traffic units*

Vehicle Type Crash Involvement	105
Vehicle Types in Crashes by Crash Severity	106
Action Prior to Crash - Driver Action	107
Action Prior to Crash - Motorcyclist Action	108
Action Prior to Crash - Bicyclist Action	109
Action Prior to Crash - Pedestrian Action	110
Most Harmful Event	111
Vehicle Defects in Crash Involvement	113
Driver Hazardous Action	113
Upper Peninsula Bicycle Crashes	114
Upper Peninsula Pedestrian Crashes	115
Snowmobile Crashes on Public Roadways in the Upper Peninsula	116
ORV/ATV Crashes on Public Roadways in the Upper Peninsula	118
Snowmobile Driver Hazardous Action	120
ORV/ATV Driver Hazardous Action	120
Upper Peninsula Farm Equipment Crashes	121
Upper Peninsula Vehicle-Train Crashes	121
Motorcycle	121
Driver Gender Information - All Crashes	122
Person Age: Demographics and Crash Involvements	123
Crash Rate per Licensed Driver by Age of Driver in All Crashes	124
Driver Age	125
Driver Condition	126
Driver Injury Severity by Restraint, Alcohol, and Drug Use	126
RED-LIGHT-RUNNING CRASHES	
Section Introduction	127
Speed Limit	128
Crash Type	128
Special Circumstances	129
Driver Conditions	129

HEAVY TRUCK/BUS

Section Introduction.....	130
Action Prior to Crash - Driver Action	131
Most Harmful Event	132
Crash Type.....	134
Hazardous Action	134
Relationship to Roadway	135
Time and Severity.....	135
Roadway Type.....	135
Day of Week.....	136
Driver Gender.....	136
Number of Occupants	136
Vehicle Type.....	137
Hazardous Citation Issued.....	138

OCCUPANT/PERSON - *Specific information on each driver and injured person in a crash*

Age & Gender of Occupants Killed & Injured in Motor Vehicle Crashes	141
Reported Occupant Restraint Usage for All Drivers and Injured Passengers.....	142
Motor Vehicle Occupants & Injury Severity by Seating Position and Known Belt Usage	143
Reported Restraint Use - Children	144
Motor Vehicle Occupant Injury Severity by Known Airbag Deployment.....	146
Age & Gender of Motorcyclists Killed & Injured in Motor Vehicle Crashes.....	147
Motorcycle Helmet Use and Injury Severity	148
Occupant Injury Outcome by Vehicle Type	149

REFERENCES

References and Reporting Agencies.....	153
--	-----

INDEX

Index.....	157
------------	-----