

TABLE OF CONTENTS

QUICK FACTS AND FIGURES

Upper Peninsula 2014 Quick Facts.....	3
Upper Peninsula Crash Watch 2014.....	4

HISTORICAL INFORMATION

1 Year (2013-2014)	
Upper Peninsula 2013-2014 Summary Trends.....	7
More Upper Peninsula Crash Facts.....	9
2013 Cost of Crashes in the Upper Peninsula.....	9
Upper Peninsula Where Traffic Fatalities Occurred.....	10
5 Year (2010-2014)	
Fatalities by Age.....	11
Age of Drivers Involved in Fatal Crashes.....	12
Age of Drivers Involved in Single Vehicle Fatal Crashes.....	12
Age of Bicyclists Killed.....	13
Age of Pedestrians Killed.....	13
Upper Peninsula Fatal Crashes and Persons Killed for Select Holiday Periods.....	14
Upper Peninsula Motor Vehicle Crash Deaths and Mileage by Month.....	15
2014 Percent Deaths.....	15
10 Year (2005-2014)	
Upper Peninsula Vehicle Registrations.....	17
Upper Peninsula Vehicle Miles Traveled.....	17
Upper Peninsula Crashes.....	17
Upper Peninsula Deaths.....	18
Upper Peninsula Injuries.....	18
Upper Peninsula Fatal Crashes.....	18
Upper Peninsula Alcohol-Involved Fatalities.....	19
Upper Peninsula Alcohol-Involved Injuries.....	19
Upper Peninsula Alcohol-Involved Fatal.....	19
Upper Peninsula Restraint Usage in Crashes.....	20
Upper Peninsula Drivers.....	20
Upper Peninsula Mileage Death Rate.....	20
Upper Peninsula Total Crash Rate.....	21
Upper Peninsula Injury Crash Rate.....	21
Upper Peninsula Property Damage Crash Rate.....	21
Upper Peninsula Male vs. Female Drivers in All Crashes.....	22
Upper Peninsula Male vs. Female Drivers in Fatal Crashes.....	22

TABLE OF CONTENTS (CONTINUED)

Upper Peninsula Male vs. Female Drinking Drivers in All Crashes.....	22
Upper Peninsula Drivers in All and Fatal Crashes.....	23
Upper Peninsula Teen/Young Adult Drivers in All and Fatal Crashes.....	23
Upper Peninsula Elderly Drivers in All and Fatal Crashes.....	23
Upper Peninsula Drinking Drivers in All and Fatal Crashes.....	24
Upper Peninsula Teen/Young Adult Drinking Drivers in All and Fatal Crashes.....	24
Upper Peninsula Elderly Drinking Drivers in All and Fatal Crashes.....	24
Upper Peninsula Motor Vehicles in All and Fatal Crashes.....	25
Upper Peninsula Motorcycles in All and Fatal Crashes.....	25
Upper Peninsula Pedestrians in All and Fatal Crashes.....	25
Upper Peninsula Bicycles in All and Fatal Crashes.....	26
Snowmobiles on Upper Peninsula Roadways in All and Fatal Crashes.....	26
ORV/ATVs on Upper Peninsula Roadways in All and Fatal Crashes.....	26
Upper Peninsula Vehicle-Train Crashes.....	27
Upper Peninsula Vehicle-Deer Crashes.....	27
Upper Peninsula Farm Equipment Crashes.....	27
Upper Peninsula Injured Occupants in Crashes.....	28
Upper Peninsula Death and Injury for Crash-Involved Occupants.....	28
Average Age of Drivers in Crashes 2005-2014.....	29
Years (1982-2014)	
Upper Peninsula Motor Vehicle Traffic Deaths by Month.....	30
Upper Peninsula Motor Vehicle Traffic Crash and Related Data.....	31

AGE

Upper Peninsula Age and Injury Severity by Person Type.....	35
Upper Peninsula Driver Age 16-20	
Driver Action Prior to Crash.....	38
Most Harmful Event.....	39
Crash Type.....	41
Relationship to Roadway.....	41
Roadway Type.....	41
Time of Day.....	42
Hazardous Action.....	42
Day of Week.....	43
Driver Gender.....	43
Number of Occupants.....	43
Vehicle Type.....	44

TABLE OF CONTENTS (CONTINUED)

Upper Peninsula Driver Age 21-64

Driver Action Prior to Crash.....	45
Most Harmful Event.....	46
Crash Type.....	48
Relationship to Roadway.....	48
Roadway Type.....	48
Time of Day.....	49
Hazardous Action.....	49
Day of Week.....	50
Driver Gender.....	50
Number of Occupants.....	50
Vehicle Type.....	51

Upper Peninsula Driver Age 65 and Over

Driver Action Prior to Crash	52
Most Harmful Event.....	53
Crash Type.....	55
Relationship to Roadway.....	55
Roadway Type.....	55
Time of Day.....	56
Hazardous Action.....	56
Day of Week.....	57
Driver Gender.....	57
Number of Occupants.....	57
Vehicle Type.....	58

ALCOHOL

Upper Peninsula Injury Experience for Persons Who Had Been Drinking and/or Using Drugs.....	61
Driver Drinking and/or Using Drugs and Injury Severity in Crash by Age.....	62
Upper Peninsula All Crashes and Had-been-drinking Crashes by Injury Severity.....	63
Upper Peninsula Death and Injury for Crash Involved Occupants.....	64
Upper Peninsula Drivers and Had-been-drinking Drivers Injury Severity - Ejected vs. Not Ejected.....	65
Upper Peninsula Occupants and Occupants of Had-been-drinking Crashes Injury Severity - Ejected vs. Not Ejected.....	66
Upper Peninsula Injury Severity & Restraint Use by Driver Injury.....	67
Upper Peninsula Injury Severity & Restraint Use by Occupant Injury.....	68
Upper Peninsula Alcohol Involvement in Fatal Crashes.....	69

TABLE OF CONTENTS (CONTINUED)

Upper Peninsula Alcohol Involvement in Injury Crashes.....	71
Upper Peninsula Male Drivers by Age & Injury Severity in Crash.....	74
Upper Peninsula Male Drinking Drivers by Age & Injury Severity in Crash.....	75
Upper Peninsula Female Drivers by Age & Injury Severity in Crash.....	76
Upper Peninsula Female Drinking Drivers by Age & Injury Severity in Crash.....	77
Traffic Fatalities with Drinking Involvement by County.....	78

DEER

Upper Peninsula Motor Vehicle-Deer Involved Crashes.....	81
Upper Peninsula Light Condition and Time of Day in Motor Vehicle-Deer Crashes.....	82
Monthly and Seasonal Rates for Motor Vehicle-Deer Crashes.....	83

CRASH - CIRCUMSTANCES COMMON TO ALL TRAFFIC UNITS IN A CRASH

Upper Peninsula Crashes Injury Severity by Month.....	87
Upper Peninsula Crash Experience by Highway Class.....	89
Upper Peninsula Crash Experience by Crash Type.....	90
Relationship to Roadway.....	90
Upper Peninsula Time and Severity.....	91
Upper Peninsula Day of Week.....	92
Upper Peninsula Road Condition.....	93
Upper Peninsula Weather Condition.....	94
Upper Peninsula Light Condition.....	95
Upper Peninsula Intersection Crashes by Traffic Control Type.....	96
Upper Peninsula Construction Zone Crashes.....	97

VEHICLE/DRIVER - CHARACTERISTICS SPECIFIC TO INDIVIDUAL TRAFFIC UNITS

Upper Peninsula Vehicle Type and Crash Involvement.....	101
Upper Peninsula Vehicle Types in Crashes by Crash Severity.....	102
Upper Peninsula Driver Action Prior to Crash	103
Upper Peninsula Motorcyclist Action Prior to Crash.....	104
Upper Peninsula Bicyclist Action Prior to Crash.....	105
Upper Peninsula Pedestrian Action Prior to Crash.....	106
Upper Peninsula Most Harmful Event.....	107
Upper Peninsula Vehicle Defects in Crash Involvement.....	108
Upper Peninsula Driver Hazardous Action.....	109
Upper Peninsula Bicycle Crashes.....	110
Upper Peninsula Pedestrian Crashes.....	111
Upper Peninsula Snowmobile Crashes on Public Roadways - Most Harmful Event.....	112

TABLE OF CONTENTS (CONTINUED)

Upper Peninsula ORV/ATV Crashes on Public Roadways - Most Harmful Event.....	114
Upper Peninsula Snowmobile Crashes on Public Roadways.....	116
Upper Peninsula ORV/ATV Crashes on Public Roadways.....	116
Upper Peninsula Farm Equipment Crashes.....	117
Upper Peninsula Vehicle-Train Crashes.....	117
Upper Peninsula Motorcycle Crashes.....	117
Upper Peninsula Driver Gender Information.....	118
Upper Peninsula Driver Age - Demographics and Crash Involvements.....	119
Upper Peninsula Crash Rate per Licensed Driver by Age of Driver in All Crashes.....	120
Upper Peninsula Driver Age	121
Upper Peninsula Driver Condition	122
Upper Peninsula Driver Injury Severity by Restraint, Alcohol, and Drug Use	122
UPPER PENINSULA RED-LIGHT-RUNNING CRASHES	
Red-Light-Running Definition	123
Speed Limit.....	124
Crash Type.....	124
Special Circumstances.....	125
Possible Conditions of Persons in Crashes.....	125
UPPER PENINSULA HEAVY TRUCK/BUS INVOLVED CRASHES	
Heavy Truck/Bus Definition.....	127
Driver Action Prior to Crash.....	128
Most Harmful Event.....	129
Crash Type.....	131
Hazardous Action.....	131
Relationship to Roadway.....	132
Time of Day.....	132
Roadway Type.....	132
Day of Week.....	133
Driver Gender.....	133
Number of Occupants.....	133
Vehicle Type.....	134
Hazardous Citation Issued.....	135
 OCCUPANT/PERSON - SPECIFIC INFORMATION ON EACH DRIVER AND INJURED PERSON IN A CRASH	
Upper Peninsula Age and Gender of Occupants Killed or Injured in Motor Vehicle Crashes.....	139
Upper Peninsula Reported Occupant Restraint Usage for All Drivers and Injured Passengers	140

TABLE OF CONTENTS (CONTINUED)

Upper Peninsula Motor Vehicle Occupants & Injury Severity by Seating Position
and Known Belt Usage.....141

Upper Peninsula Reported Restraint Use - Children.....142

Upper Peninsula Motor Vehicle Occupant Injury Severity by
Known Airbag Deployment.....144

Upper Peninsula Age and Gender of Motorcyclists Killed or Injured in
Motor Vehicle Crashes.....145

Upper Peninsula Motorcycle Helmet Use and Injury Severity.....146

Upper Peninsula Occupant Injury Outcome by Vehicle Type.....147

REFERENCES

References and Reporting Agencies.....151

INDEX

Index.....155