

# **WISCONSIN CODES DATA DICTIONARY PUBLIC USE DATA FILES 1992-2007**

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## CRASH DATA (Available 1992-2007)

DATA ELEMENT NAME	DESCRIPTION OF ELEMENT (VALUES)	SAS FORMATTING LABEL	FILE ELEMENT WAS DERIVED FROM
<b>ACCDHOUR</b>	<b>ACCIDENT HOUR</b>	<b>FACCDHR</b>	<b>CRASH</b>
	0 = MIDNITE TO 1am 1 = 1am to 2am 2 = 2am to 3am 3 = 3am to 4am 4 = 4am to 5am 5 = 5am to 6am 6 = 6am to 7am 7 = 7am to 8am 8 = 8am to 9am 9 = 9am to 10am 10 = 10am to 11am 11 = 11am to Noon 12 = Noon to 1pm 13 = 1pm to 2pm 14 = 2pm to 3pm 15 = 3pm to 4pm 16 = 4pm to 5pm 17 = 5pm to 6pm 18 = 6pm to 7pm 19 = 7pm to 8pm 20 = 8pm to 9pm 21 = 9pm to 10pm 22 = 10pm to 11pm 23 = 11pm to Midnite 24 = 11pm to Midnite		
<b>ACCDLOC</b>	<b>ACCIDENT LOCATION</b>	<b>FACCDLOC</b>	<b>CRASH</b>
	0 = Unknown 1 = Intersection 2 = Non-Intersection 3 = Parking Lot 4 = Private		
<b>ACCDMTH</b>	<b>ACCIDENT MONTH</b>	<b>FMONTH</b>	<b>CRASH</b>
	1= January 2= February 3= March 4= April 5= May 6= June 7= July 8= August 9= September 10= October 11= November 12=December		
<b>ACCDNMBR</b>	<b>UNIQUE ACCID ID</b>		<b>CRASH</b>

**ACCDSVR ACCIDENT SEVERITY \$ACCDSVR CRASH**  
 0=Blank 1=Fatal 2=Injury  
 3=Property Damage 4=Non-Reportable

**ACCDTYPE ACCIDENT TYPE FACCTYPE CRASH**  
 1 = Vehicle in Transit 2 = Parked Vehicle 3 = Deer  
 4 = Bicycle 5 = Pedestrian 6 = Train 7 = Other Animal  
 8 = Object on Road 9=Object-Not Fixed  
 10=Traffic Sign Post 11=Traffic Signal 12=Utility Pole  
 13= Lum Light Support 14=Other Post 15=Tree  
 16=Mailbox 17=Guardrail Face 18=Guardrail End  
 19=Median Barrier 20=Bridge Parapet End 21=Bridge/Pier/Abut  
 22=Impact Attenuator 23=Overhead Sign Post 24=Bridge Rail  
 25=Culvert 26=Ditch 27=Curb 28=Embankment  
 29=Fence 30=Other Fixed Obj 31=Unknown 32=Overturn  
 33=Fire/Explosion 34=Immersion 35=Jackknife  
 36=Other Non-Collision OTHER=UNKNOWN

**AGE WisDOT REPORTED AGE CRASH**  
 Only reported for drivers and injured occupants

**ALCFLAG ALCOHOL USED BY DRIVER \$ALCFLG CRASH**  
 Y = YES N=NO

**AIRBAG AIR BAG DEPLOYED FAIRBAG CRASH**  
 0=Blank 1=Deployed 2=Not Deployed  
 3=Not Applicable 4=Unknown

**BACCODE BAC INFORMATION SOURCE \$BACCODE CRASH**  
**FOR FATALITIES**  
 A=BAC Received – Coroners Report  
 K=Out of State Death  
 S=Surviving Driver  
 =BAC Not Reported

**BACNMBR BLOOD ALCOHOL LEVEL CRASH**

**CITFLAG CITATION ISSUED \$FYESNO CRASH**  
 Y = YES N=NO

**COUNTY WisDOT COUNTY OF CRASH \$fCOUNTY CRASH**  
 1 = Adams  
 2 = Ashland  
 3 = Barron  
 4 = Bayfield  
 5 = Brown  
 6 = Buffalo  
 7 = Burnett  
 8 = Calumet  
 9 = Chippewa  
 10 = Clark  
 11 = Columbia  
 12 = Crawford  
 13 = Dane  
 14 = Dodge

15 = Door  
16 = Douglas  
17 = Dunn  
18 = Eau Claire  
19 = Florence  
20 = Fond Du Lac  
21 = Forest  
22 = Grant  
23 = Green  
24 = Green Lake  
25 = Iowa  
26 = Iron  
27 = Jackson  
28 = Jefferson  
29 = Juneau  
30 = Kenosha  
31 = Kewaunee  
32 = La Crosse  
33 = Lafayette  
34 = Langlade  
35 = Lincoln  
36 = Manitowoc  
37 = Marathon  
38 = Marinette  
39 = Marquette  
40 = Milwaukee  
41 = Monroe  
42 = Oconto  
43 = Oneida  
44 = Outagamie  
45 = Ozaukee  
46 = Pepin  
47 = Pierce  
48 = Polk  
49 = Portage  
50 = Price  
51 = Racine  
52 = Richland  
53 = Rock  
54 = Rusk  
55 = St.Croix  
56 = Sauk  
57 = Sawyer  
58 = Shawano  
59 = Sheboygan  
60 = Taylor  
61 = Trempealeau  
62 = Vernon  
63 = Vilas  
64 = Walworth  
65 = Washburn  
66 = Washington  
67 = Waukesha  
68 = Waupaca  
69 = Waushara  
70 = Winnebago  
71 = Wood

72 = Out Of State

73 = MENOMINEE

**DAYNMBR**      **NUMBER OF DAY IN WEEK**      **FDAYNMBR**      **CRASH**  
 1=Sunday 2=Monday 3=Tuesday 4=Wednesday  
 5=Thursday 6=Friday 7=Saturday

**DRVRDOIN**      **DRIVER WAS DOING**      **FDVRDOIN**      **CRASH**

0 = Unknown  
 1 = Going Straight  
 2 = Left Turn  
 3 = Right Turn  
 4 = Slow/Stopping  
 5 = Stop in Traffic  
 6 = Legally Parked  
 8 = Illegally Parked  
 9 = Park Maneuver  
 10 = Backing  
 11 = Changing Lanes  
 12 = Overtake Left  
 13 = Overtake Right  
 14 = U Turn  
 15 = Turn on Red  
 16 = Merging  
 7,18 = Other  
 17 = Negotiating a Curve

**DRVRPCC1**      **DRIVER CONTRIBUTING CONDITION TO CRASH 1**      **FDRVRPCC**      **CRASH**

0=Blank 1=Exceed Speed Limit 2=Speed Fast for Cond 3=Failed Yield R-O-Way  
 4=Inattentive Driving 5=Following Too Close 6=Improper Turn 7=Left of Center  
 8=Disrgd Traffic Cntl 9=Improper Overtake 10= Unsafe Backing  
 11=Failure to Control 12=Driver Condition 13=Physically Disabled  
 14=Other 77=Not Applicable

**DRVRPCC2**      **DRVRER CONTRIBUTING CONDITION TO CRASH 2**      **FDRVRPCC**      **CRASH**

0=Blank 1=Exceed Speed Limit 2=Speed Fast for Cond 3=Failed Yield R-O-Way  
 4=Inattentive Driving 5=Following Too Close 6=Improper Turn 7=Left of Center  
 8=Disrgd Traffic Cntl 9=Improper Overtake 10= Unsafe Backing  
 11=Failure to Control 12=Driver Condition 13=Physically Disabled  
 14=Other 77=Not Applicable

**EJECT**      **EJECTED**      **FEJECT**      **CRASH**  
 0=Blank 1=Not Applicable 2=Not Ejected 3=Totally Ejected  
 4=Partially Ejected 5=Unknown

**HITRUN**      **HIT & RUN**      **\$FYESNO**      **CRASH**  
 Y = Yes N=No

**HWYCLASS**      **HIGHWAY CLASS**      **FHWYCLAS**      **CRASH**  
 0 = Unknown  
 1-4 = Local Road  
 5-6 = County Road  
 7-8 = State Highway  
 9-10= Federal Interstate

11-12 = Other

**HWYPCC1 HIGHWAY CONTRIBUTING CONDITION CRASH FHWPCC CRASH**

0=Blank 1=Snow/Wet/Ice 2=Narrow Shoulder 3=Low Shoulder  
4=Soft Shoulder 5=Loose Gravel 6=Rough Pavement  
7=Debris Prior Accd 8=Other Debris 9= Sign Obscured/missing  
10=Narrow Bridge 11=Construction Zone 12=Visibility Obscured  
13=Other 77=Not Applicable

**INJSVR KABC INJURY SCALE -- Police Reported Injury \$INJSVR CRASH**

A = INCAPACITATING B = NON-INCAPACITATING C = POTENTIAL  
K = KILLED Blank = UNKNOWN

**TRANSPORT EMS TRANSPORT \$FYESNO CRASH**

Y = YES N=NO

**INSSTA INSURANCE STATUS FINSSTA CRASH**

0=INCOMPLETE 1=INSURED 2=GOVT OWNED VEH  
3=NOT INSURED 4=NOT REQUIRED

**LIGHTCOND LIGHT CONDITION FLGTCOND CRASH**

0=blank 1=Daylight 2=Dark/Unlit 3=Dark/Lighted  
4=Dawn 5=Dusk 6=Unknown

**MNRCOLL MANNER OF COLLISION FMNRCOLL CRASH**

0 = BLANK  
1 = NO COLLISION  
2 = REAR END  
3 = HEAD ON  
4 = REAR TO REAR  
5 = ANGLE  
6 = SIDE SAME DIR  
7 = SIDE OPP DIR  
8 = UNKNOWN

**MOSTHARM MOST HARMFUL EVENT FACCTYPE CRASH**

1 = Vehicle in Transit 2 = Parked Vehicle 3 = Deer  
4 = Bicycle 5 = Pedestrian 6 = Train 7 = Other Animal  
8 = Object on Road 9=Object-Not Fixed  
10=Traffic Sign Post 11=Traffic Signal 12=Utility Pole  
13= Lum Light Support 14=Other Post 15=Tree  
16=Mailbox 17=Guardrail Face 18=Guardrail End  
19=Median Barrier 20=Bridge Parapet End 21=Bridge/Pier/Abut  
22=Impact Attenuator 23=Overhead Sign Post 24=Bridge Rail  
25=Culvert 26=Ditch 27=Curb 28=Embankment  
29=Fence 30=Other Fixed Obj 31=Unknown 32=Overturn  
33=Fire/Explosion 34=Immersion 35=Jackknife  
36=Other NonCollision OTHER=UNKNOWN

**MUNICODE WDOT GOVERNMENTAL UNIT CODE CRASH**

**PLTTYPE****LICENSE PLATE TYPE****\$PLTTYPE****CRASH**

Ama=Amateur Radio  
Ant=Antique  
Apo=Apportioned Vehicle  
Apt=Apportioned Trailer  
Atk=Abc Annual Truck  
Atl=Annual Trailer  
Aut=Auto  
Bbx=Bx-Bus  
Bsb=School Bus  
Bus=Insert Bus  
Cls=Collector-Special  
Cmp=Camping Trailer  
Col=Collector Vehicle  
Cvg=Civilian Group  
Cyc=Motorcycle  
Dem=Demonstrator  
Dev=Driver Ed. Vehicle  
Dis=Disabled Person  
Dlr=Dealer  
Dpf=Dual Purpose Farm  
Dpv=Dual Purpose Vehicle  
Dst=Distributor  
Fnc=Finance Company  
Frm=Farm-Regular  
Gov=Government  
Heg=Higher Education Group  
Hfm=Farm-Heavy  
Hob=Hobbyist  
Itl=Insert Trailer  
Itp=In-Transit (Temp)  
Ldf=Lac Du Flambeau  
Mbh=Mobile Home  
Mdh=Medal Of Honor  
Men=Menominee Nation  
Mfg=Manufacturer  
Mlg=Military Group  
Mnc=Municipal-Cycle  
Mno=Municipal-Official  
Mpd=Moped  
Mtm=Motor Home  
Mun=Municipal-General  
Sdv=Special Design Vehicle  
Sov=State Owned Vehicle  
Spx=Specialx  
Spz=Special Mobile Equip Z  
Stl=Semitrailer  
Sux=Special Mobile Equip Ux  
Tem=Temporary Operation  
Tft=Transfer Trailer  
Tor=Tractor  
Trk=Insert Truck  
Trl=Trailer  
Tst=In Transit Transporter  
Vet=Disabled Veteran

Wng=National Guard  
 Wsp=Wisconsin State Patrol  
 Zpw=Ex-Pow  
 Other=Unknown

**POPCLASS**      **WDOT POPU CLASS FOR AREA**      **FPOPCLAS**      **CRASH**  
 0 =Unknown  
 1 =2500-4999  
 2 =5000-9999  
 3 =10000-24999  
 4 =25000-49999  
 5 =50000-99999  
 6 =100000-249999  
 7 =250000+  
 8 =Incorp < 2500  
 9 =Unknown Rural

**POSTSPD**      **POSTED SPEED LIMIT**      **CRASH**  
 1 - 20 = 5-20 MPH    21 - 25 = 21-25 MPH    26 - 34 = 26-34 MPH  
 35 - 50 = 35-50 MPH    51 - 70 = 55+ MPH    Other=Missing

**ROADCOND**      **ROAD CONDITIONS**      **FROADCND**      **CRASH**  
 0 = Blank  
 1 = Dry  
 2 = Wet  
 3 = Snow/Slush  
 4 = Ice  
 5 = Sand/Mud/Dirt/Oil  
 6 = Other  
 7 = Unknown

**ROLE**      **ROLE OF VICTIM**      **\$FROLE**      **CRASH**  
 BI=Bicyclist    DR=Driver    MO=Motorcyclist  
 MP=Moped    PA=Passenger    PD=Pedestrian

**SEATLOC**      **SEAT LOCATION**      **FSEATLOC**      **CRASH**  
 0=Not listed  
 1=Driver  
 2-3=Front Passenger  
 4-9=Rear Passenger  
 10= Sleeper Cab  
 11= PA enclosed cargo  
 12= PA unenclosed cargo  
 13= Trailer  
 14= exterior  
 15= Pedestrian  
 16= Unknown

**SEX**      **WDOT REPORTED SEX**      **\$FSEX**      **CRASH**  
 Only reported for drivers and injured occupants  
 M = Male    F = Female    N = Missing

**SFTYEQP**      **TYPE OF SAFETY EQUIPMENT USED**      **FSFTYEQP**      **CRASH**  
 0=Unknown  
 1,3=Shoulder Belt  
 2=Lap Belt

4=Child Restraint  
 5=Helmet  
 7=Goggles  
 6=Helmet & Goggles  
 88=None  
 9=Unknown  
 Other=Unknown

**TRAPEXTR**    **TRAPPED OR EXTRACTED**    **FTRAPEXT**    **CRASH**  
 1=Not Applicable 2=Not Trapped 3=Trapped-Not Extrctd  
 4=TRAPPED-EXTRICATED OTHER=UNKNOWN

**UNITTYPE**    **TYPE OF UNIT**    **FUNITTYP**    **CRASH**  
 0=Blank 1=Auto 2=Truck 3=Motorcycle  
 4=Bus 5=Equipment 6=Bicycle 7=Pedestrian

**URBCLASS**    **URBAN OR RURAL**    **\$URBCLAS**    **CRASH**  
 Ru=Rural Ur=Urban Ot=Other  
 Pl=Parking Lot Un=Unknown

**VEHDMG**    **DAMAGE TO VEHICLE**    **FVEHDMG**    **CRASH**  
 0=Blank 1=Very Minor 2=Minor 3=Moderate 4=Severe  
 5=Very Severe 6=Unknown 88=Unknown

**VEHPCC1**    **VEHICLE CONTRIBUTING CONDITION TO CRASH**    **FVEHPCC**    **CRASH**  
 0=Blank 1=Brakes 2=Tires 3=Steering 4=Turn Signals  
 5=Head Lamps 6=Stop Lamps 7=Tail Lamps 8=Dsbld Prior ACC  
 9=Other Disabled 10=Mirrors 11=Suspension 12=Other  
 77=Not Applicable

**VEHTYPE**    **TYPE OF VEHICLE**    **FVEHTYPE**    **CRASH**  
 0=Unknown  
 1=Passenger Car  
 2=Police Emergency  
 3=Utility Truck  
 4=Straight Truck  
 5=Truck Tractor  
 6=Truck Tractor  
 7=Truck Tractor  
 8=Motor Home  
 9=Ambulance on Emerg  
 10=Fire Truck on Emerg  
 11=Motorcycle  
 12=Moped  
 13=School Bus  
 14=School Transport  
 15=Passenger Bus  
 16=Farm Tractor  
 17=Other Machine  
 18=Railway Train  
 19=Snow Plow  
 20=Snowmobile/ATV  
 21=Miscellaneous  
 22=Bicycle  
 23=Pedestrian  
 Other=Unknown

VIN

VEHICLE ID NUMBER

CRASH

**WTHRCND**

**WEATHER CONDITION**

- 0 = Blank
- 1 = Clear
- 2 = Cloudy
- 3 = Rain
- 4 = Snow
- 5 = Fog/Smog
- 6 = Sleet/Hail
- 7 = Blowing Material
- 8 = Severe Winds
- 9 = Other
- 10 = Unknown

**FWTHCOND**

**CRASH**

**ZIPCODE**

**WDOT ZIPCODE OF RESIDENCE**

Only reported for drivers and injured occupants

**CRASH**

## HOSPITAL DATA (Available 1992-2002)

DATA ELEMENT NAME	DESCRIPTION OF ELEMENT (VALUES)	SAS FORMATTING LABEL	FILE ELEMENT WAS DERIVED FROM
<b>AGE2</b>	<b>HOSPITAL AGE</b>	<b>\$FSEX</b>	<b>HOSPITAL</b>
<b>CHARGE</b>	<b>HOSPITAL CHARGES</b>		<b>HOSPITAL</b>
<b>COUNTY2</b>	<b>HOSPITAL COUNTY RESIDENCE</b>	<b>\$FCONTY</b>	<b>HOSPITAL</b>
	01 = Adams		
	02 = Ashland		
	03 = Barron		
	04 = Bayfield		
	05 = Brown		
	06 = Buffalo		
	07 = Burnett		
	08 = Calumet		
	09 = Chippewa		
	10 = Clark		
	11 = Columbia		
	12 = Crawford		
	13 = Dane		
	14 = Dodge		
	15 = Door		
	16 = Douglas		
	17 = Dunn		
	18 = Eau Claire		
	19 = Florence		
	20 = Fond Du Lac		
	21 = Forest		
	22 = Grant		
	23 = Green		
	24 = Green Lake		
	25 = Iowa		
	26 = Iron		
	27 = Jackson		
	28 = Jefferson		
	29 = Juneau		
	30 = Kenosha		
	31 = Kewaunee		
	32 = La Crosse		
	33 = Lafayette		
	34 = Langlade		
	35 = Lincoln		
	36 = Manitowoc		
	37 = Marathon		
	38 = Marinette		
	39 = Marquette		
	40 = Menominee		
	41 = Milwaukee		

- 42 = Monroe
- 43 = Oconto
- 44 = Oneida
- 45 = Outagamie
- 46 = Ozaukee
- 47 = Pepin
- 48 = Pierce
- 49 = Polk
- 50 = Portage
- 51 = Price
- 52 = Racine
- 53 = Richland
- 54 = Rock
- 55 = Rusk
- 56 = St.Croix
- 57 = Sauk
- 58 = Sawyer
- 59 = Shawano
- 60 = Sheboygan
- 61 = Taylor
- 62 = Trempealeau
- 63 = Vernon
- 64 = Vilas
- 65 = Walworth
- 66 = Washburn
- 67 = Washington
- 68 = Waukesha
- 69 = Waupaca
- 70 = Waushara
- 71 = Winnebago
- 72 = Wood
- Other = Out Of State

<b>DISQT</b>	<b>DISCHARGE QUARTER</b>		<b>HOSPITAL</b>
<b>DRG</b>	<b>DIAGNOSTIC RELATED GP</b>		<b>HOSPITAL</b>
<b>DSTS</b>	<b>DISCHARGE STATUS</b>	<b>\$FDSTS</b>	<b>HOSPITAL</b>

- 01 = Home/Self Care
- 02 = Short Term Hospital
- 03 = Skilled Nf
- 04 = Intermediate Nf
- 05 = Other Institution
- 06 = Home W Home Health
- 07 = Against Medical Adv
- 08 = Home Intravenous Prov
- 20 = Died
- 50 = Hospice-Home
- 51 = Hospice Facility
- 61 = Medicare Swing Bed
- 62 = Inpatient Rehab Unit
- 63 = Medicare Long Term Hosp
- 64 = Medicaid Cer Nursing Fac
- 65 = Psych Hospital Or Unit

<b>ECODE</b>	<b>INJURY CODE - ICD9</b>		<b>HOSPITAL</b>
<b>HDXC1</b>	<b>PRINCIPAL DIAGNOSIS</b>	<b>ICD9</b>	<b>HOSPITAL</b>
<b>HDXC2</b>	<b>SECONDARY DX #1</b>	<b>ICD9</b>	<b>HOSPITAL</b>
<b>HDXC3</b>	<b>SECONDARY DX #2</b>	<b>ICD9</b>	<b>HOSPITAL</b>
<b>HDXC4</b>	<b>SECONDARY DX #3</b>	<b>ICD9</b>	<b>HOSPITAL</b>
<b>HDXC5</b>	<b>SECONDARY DX #4</b>	<b>ICD9</b>	<b>HOSPITAL</b>
<b>HOSPECODE</b>	<b>INJURY (E) CODE - ICD9 E-Code</b>		<b>HOSPITAL</b>
<b>HOSPID</b>	<b>HOSPITAL ID (See Appendix 2)</b>		<b>HOSPITAL</b>
<b>HOSPLINK</b>	<b>HOSPITAL LINKAGE FLAG</b>	<b>FLINK</b>	<b>HOSPITAL</b>
<b>LOS</b>	<b>LENGTH OF STAY</b>		<b>HOSPITAL</b>
<b>LVDAYS</b>	<b>LEAVE DAYS</b>		<b>HOSPITAL</b>
<b>MDC</b>	<b>MAJOR DIAGNOSTIC CAT</b>		<b>HOSPITAL</b>
<b>NEWBORN</b>	<b>NEWBORN STATUS</b> 1=Normal 2=Premature 3=Sick Baby 4=Extramural 9=Unknown	<b>\$FNEWBRN</b>	<b>HOSPITAL</b>
<b>PAYGRP1</b>	<b>PAYER GROUP 1</b> 1 = Medicare 2 = Medicaid 3 = Other Government 4 = Private Insurance 5 = Self Pay 6 = Other/Unknown	<b>\$PAYID</b>	<b>HOSPITAL</b>
<b>PAYGRP2</b>	<b>PAYER GROUP 2</b> 1 = Medicare 2 = Medicaid 3 = Other Government 4 = Private Insurance 5 = Self Pay 6 = OTHER/UNKNOWN	<b>\$PAYID</b>	<b>HOSPITAL</b>
<b>PAYTYPE1</b>	<b>TYPE OF PAYER 1</b> 1 = Fee For Service 2 = Managed Care Plan 3 = Champus/Champva 4 = UNABLE TO DETERMINE	<b>\$PAYCAT</b>	<b>HOSPITAL</b>
<b>PAYTYPE2</b>	<b>TYPE OF PAYER 2</b> 1 = Fee For Service 2 = Managed Care Plan 3 = Champus/Champva 4 = Unable To Determine	<b>\$PAYCAT</b>	<b>HOSPITAL</b>

<b>PRC1</b>	<b>PRINCIPAL PROCEDURE ICD9</b>		<b>HOSPITAL</b>
<b>PRC2</b>	<b>OTHER PROC #1 ICD9</b>		<b>HOSPITAL</b>
<b>PRC3</b>	<b>OTHER PROC #2 ICD9</b>		<b>HOSPITAL</b>
<b>PREDAYS</b>	<b>PRIOR AUTHORIZED DAYS</b>		<b>HOSPITAL</b>
<b>SADM</b>	<b>SOURCE OF ADMISSION</b>		<b>HOSPITAL</b>
	1 = Physician		
	2 = Clinic		
	3 = HMO		
	4 = Transfer-Acute Care Fac		
	5 = Transfer-Snf		
	6 = Transfer-Other		
	7 = Emergency Room		
	8 = Court/Law		
	9 = Not Available		
<b>SEX2</b>	<b>HOSPITAL SEX</b>	<b>\$FSEX2</b>	<b>HOSPITAL</b>
	1 = Male 2 = Female		
<b>TADM</b>	<b>TYPE OF ADMISSION</b>	<b>\$FTADM</b>	<b>HOSPITAL</b>
	1 = Emergency 2=Urgent 3=Elective 4=Newborn		
<b>ZIPCODE2</b>	<b>PATIENT ZIPCODE-HOSP</b>		<b>HOSPITAL</b>

## Injury Severity and Cost Information (Available 1994-2007)

Only available for linked cases with hospital inpatient or ER diagnostic codes

DATA ELEMENT NAME	DESCRIPTION OF ELEMENT (VALUES)	SAS FORMATTING LABEL	FILE ELEMENT WAS DERIVED FROM
<b>INJURY SEVERITY INFORMATION</b>			
<b>AISBDREG1</b>	<b>MAX ABBR. INJURY SCORE –HEAD</b> 0= 'UNKNOWN' 1= 'MINOR' 2= 'MODERATE' 3= 'SERIOUS' 4= 'SEVERE' 5= 'CRITICAL' 6= 'MAXIMUM' 9= 'MISSING'	<b>FMAX_SEV</b>	<b>ICDMAP90</b>
<b>AISBDREG2</b>	<b>MAX ABBR. INJ SCORE –FACE</b> (See AISBDREG1)	<b>FMAX_SEV</b>	<b>ICDMAP90</b>
<b>AISBDREG3</b>	<b>MAX ABBR. INJ SCORE –NECK</b> (See AISBDREG1)	<b>FMAX_SEV</b>	<b>ICDMAP90</b>
<b>AISBDREG4</b>	<b>MAX ABBR. INJ SCORE –THORAX</b> (See AISBDREG1)	<b>FMAX_SEV</b>	<b>ICDMAP90</b>
<b>AISBDREG5</b>	<b>MAX ABBR. INJ SCORE –ABDOM/PELVIC</b> (See AISBDREG1)	<b>FMAX_SEV</b>	<b>ICDMAP90</b>
<b>AISBDREG6</b>	<b>MAX ABBR. INJ SCORE –SPINE</b> (See AISBDREG1)	<b>FMAX_SEV</b>	<b>ICDMAP90</b>
<b>AISBDREG7</b>	<b>MAX ABBR. INJ SCORE –UPPER EXTREM</b> (See AISBDREG1)	<b>FMAX_SEV</b>	<b>ICDMAP90</b>
<b>AISBDREG8</b>	<b>MAX ABBR. INJ SCORE – LOWER EXTREM</b> (See AISBDREG1)	<b>FMAX_SEV</b>	<b>ICDMAP90</b>
<b>AISBDREG9</b>	<b>MAX ABBR. INJURY SCORE –BURN/OTHER</b> (See AISBDREG1)	<b>FMAX_SEV</b>	<b>ICDMAP90</b>
<b>AISBODY</b>	<b>AIS BODY REGION OF MAXIMUM INJURY</b> 0='UNKNOWN'            1='HEAD' 3='NECK'                4='THORAX' 6='SPINE'                7='UPPER EXTREMITY' 9='EXTERNAL/BURNS/OTHER'	<b>FAISBODY</b>	<b>ICDMAP90</b> 2='FACE' 5='ABDOMEN & PELVIC' 8='LOWER EXTREMITY' 99='MISSING';
<b>ISS</b>	<b>INJURY SEVERITY SCORE</b>		<b>ICDMAP90</b>

Calculated as the sum of the square of the 3 highest MAIS scores  
 -- but only including 1 score for any particular body region

**ISSBDREG1    MAX ABBR. INJURY SCORE –HEAD/NECK    FMAX\_SEV    ICDMAP90**  
 0='UNKNOWN'  
 1='MINOR'  
 2='MODERATE'  
 3='SERIOUS'  
 4='SEVERE'  
 5='CRITICAL'  
 6='MAXIMUM'  
 9='MISSING'

**ISSBDREG2    MAX ABBR. INJ SCORE –FACE    FMAX\_SEV    ICDMAP90**  
 (See ISSBDREG1)

**ISSBDREG3    MAX ABBR. INJ SCORE –CHEST    FMAX\_SEV    ICDMAP90**  
 (See ISSBDREG1)

**ISSBDREG4    MAX ABBR. INJ SCORE –ADBOM/PELVIC    FMAX\_SEV    ICDMAP90**  
 (See ISSBDREG1)

**ISSBDREG5    MAX ABBR. INJ SCORE –EXTREMITIES    FMAX\_SEV    ICDMAP90**  
 (See ISSBDREG1)

**ISSBDREG6    MAX ABBR. INJ SCORE –EXTERNAL/OTH    FMAX\_SEV    ICDMAP90**  
 (See ISSBDREG1)

**ISSBODY    ISS BODY REGION OF MAX INJURY SCORE    FISSBODY    ICDMAP90**  
 0='UNKNOWN'  
 1='HEAD/NECK'  
 2='FACE'  
 3='CHEST'  
 4='ABDOMEN&PELVIC GIRDLE'  
 5='EXTREMITIES OR PELVIC GIRDLE'  
 6='EXTERNAL'  
 9='UNKNOWN'

**MAIS    MAX ABBR INJURY SCORE – ANY REGION    FMAX\_SEV    ICDMAP90**  
 0='UNKNOWN'  
 1='MINOR'  
 2='MODERATE'  
 3='SERIOUS'  
 4='SEVERE'  
 5='CRITICAL'  
 6='MAXIMUM'  
 9='MISSING'

**NISS    NEW INJURY SEVERITY SCORE (0-75)    DERIVED**

Calculated as the sum of the square of the 3 highest MAIS scores  
 -- potentially including more than 1 score for the same body region

<b>COST INFORMATION – See Appendix 1.</b>
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<b>MEDCOST</b>	<b>ESTIMATED FULL MEDICAL COSTS</b>	<b>DERIVED</b>
<b>OTHCOST</b>	<b>ESTIMATED FULL OTHER COSTS</b>	<b>DERIVED</b>
<b>QOLCOST</b>	<b>ESTIMATED QUALITY OF LIFE COSTS FROM INJURY</b>	
<b>FINALDX</b>	<b>BODY PART/REGION SPECIFIC DIAGNOSTIC</b>	<b>FFINALDX DERIVED</b>

- 1 = 'Skull Fracture - MAIS 2'
- 2 = 'Skull Fracture - MAIS 3'
- 3 = 'Skull Fracture - MAIS 4'
- 4 = 'Brain/Intracranial NonFx MAIS 1'
- 5 = 'Brain/Intracranial NonFx MAIS 2'
- 6 = 'Brain/Intracranial NonFx MAIS 3'
- 7 = 'Brain/Intracranial NonFx MAIS 4'
- 8 = 'Brain/Intracranial NonFx MAIS 5'
- 9 = 'Ear NonFX MAIS 1'
- 10 = 'Eye&Adnexa NonFX Mais 1'
- 11 = 'Eye&Adnexa NonFX Mais 2'
- 12 = 'Nose/Mouth/Face/Scalp/Neck NonFX MAIS 1'
- 13 = 'Nose/Mouth/Face/Scalp/Neck NonFX MAIS 2'
- 14 = 'Nose/Mouth/Face/Scalp/Neck NonFX MAIS 3'
- 15 = 'Nose/Mouth/Face/Scalp/Neck FX MAIS 1'
- 16 = 'Nose/Mouth/Face/Scalp/Neck FX MAIS 2'
- 17 = 'Nose/Mouth/Face/Scalp/Neck FX MAIS 3'
- 18 = 'Nose/Mouth/Face/Scalp/Neck FX MAIS 4'
- 19 = 'Neck-Internal Blood Vessels NonFX MAIS 1'
- 20 = 'Neck-Internal Blood Vessels NonFX MAIS 2'
- 21 = 'Neck-Internal Blood Vessels NonFX MAIS 3'
- 22 = 'Neck-Internal Blood Vessels NonFX MAIS 5'
- 23 = 'Neck-Spinal Cord NonFX MAIS 3'
- 24 = 'Neck-Spinal Cord NonFX MAIS 4'
- 25 = 'Neck-Spinal Cord NonFX MAIS 5'
- 26 = 'Shoulder/Clavicle/Scapula/Upper Arm NonFX MAIS 1'
- 27 = 'Shoulder/Clavicle/Scapula/Upper Arm NonFX MAIS 2'
- 28 = 'Shoulder/Clavicle/Scapula/Upper Arm NonFX MAIS 3'
- 29 = 'Shoulder/Clavicle/Scapula/Upper Arm FX MAIS 2'
- 30 = 'Shoulder/Clavicle/Scapula/Upper Arm FX MAIS 3'
- 31 = 'Elbow NonFX MAIS 1'
- 32 = 'Elbow NonFX MAIS 2'
- 33 = 'Elbow FX MAIS 1'
- 34 = 'Upper Extremities-Superficial NonFX MAIS 1'
- 35 = 'Upper Extremities-Superficial NonFX MAIS 2'
- 36 = 'Upper Extremities-Superficial NonFX MAIS 3'
- 37 = 'Forearm FX MAIS 2'
- 38 = 'Forearm FX MAIS 3'
- 39 = 'Wrist/hand/finger/thumb NonFX MAIS 1'
- 40 = 'Wrist/hand/finger/thumb NonFX MAIS 2'
- 41 = 'Wrist/hand/finger/thumb NonFX MAIS 3'
- 42 = 'Wrist/hand/finger/thumb FX MAIS 1'
- 43 = 'Wrist/hand/finger/thumb FX MAIS 2'

- 44 = 'Upper Extremities/multi-unspecified NonFX Mais 1'
- 45 = 'Upper Extremities/multi-unspecified NonFX Mais 2'
- 46 = 'Upper Extremities/multi-unspecified NonFX Mais 3'

**FINALDX continued**

- 47 = 'Upper Extremities/multi-unspecified FX Mais 2'
- 48 = 'Chest/Breast/Abdomen NonFX MAIS 1'
- 49 = 'Chest/Breast/Abdomen NonFX MAIS 2'
- 50 = 'Chest/Breast/Abdomen NonFX MAIS 3'
- 51 = 'Ribs/Sternum NonFX MAIS 1'
- 52 = 'Ribs/Sternum FX MAIS 1'
- 53 = 'Ribs/Sternum FX MAIS 2'
- 54 = 'Ribs/Sternum FX MAIS 3'
- 55 = 'Ribs/Sternum FX MAIS 4'
- 56 = 'Ribs/Sternum FX MAIS 5'
- 57 = 'Back (incl Vertebrae) NonFX MAIS 1'
- 58 = 'Back (incl Vertebrae) NonFX MAIS 2'
- 59 = 'Back (incl Vertebrae) NonFX MAIS 3'
- 60 = 'Back (incl Vertebrae) FX MAIS 2'
- 61 = 'Back (incl Vertebrae) FX MAIS 3'
- 62 = 'Trunk/Spinal Cord NonFX MAIS 2'
- 63 = 'Trunk/Spinal Cord NonFX MAIS 3'
- 64 = 'Trunk/Spinal Cord NonFX MAIS 4'
- 65 = 'Trunk/Spinal Cord NonFX MAIS 5'
- 66 = 'Trunk-Superficial NonFX MAIS 1'
- 67 = 'Trunk-Superficial NonFX MAIS 2'
- 68 = 'Trunk-Superficial NonFX MAIS 3'
- 69 = 'Trunk Multi/unspecified NonFX MAIS 1'
- 70 = 'Trunk Multi/unspecified NonFX MAIS 3'
- 71 = 'Trunk Multi/unspecified NonFX MAIS 4'
- 72 = 'Trunk Multi/unspecified NonFX MAIS 5'
- 73 = 'Thoracic Organs/Blood Vessels NonFX MAIS 1'
- 74 = 'Thoracic Organs/Blood Vessels NonFX MAIS 2'
- 75 = 'Thoracic Organs/Blood Vessels NonFX MAIS 3'
- 76 = 'Thoracic Organs/Blood Vessels NonFX MAIS 4'
- 77 = 'Thoracic Organs/Blood Vessels NonFX MAIS 5'
- 78 = 'Liver NonFX MAIS 2'
- 79 = 'Liver NonFX MAIS 3'
- 80 = 'Liver NonFX MAIS 4'
- 81 = 'Liver NonFX MAIS 5'
- 82 = 'Spleen NonFX MAIS 2'
- 83 = 'Spleen NonFX MAIS 3'
- 84 = 'Spleen NonFX MAIS 4'
- 85 = 'Spleen NonFX MAIS 5'
- 86 = 'Kidney NonFX MAIS 2'
- 87 = 'Kidney NonFX MAIS 3'
- 88 = 'Kidney NonFX MAIS 4'
- 89 = 'Kidney NonFX MAIS 5'
- 90 = 'Gastrointestinal NonFX MAIS 2'
- 91 = 'Gastrointestinal NonFX MAIS 3'
- 92 = 'Gastrointestinal NonFX MAIS 4'
- 93 = 'Gastrointestinal NonFX MAIS 5'
- 94 = 'Genitourinary NonFX MAIS 1'
- 95 = 'Genitourinary NonFX MAIS 2'
- 96 = 'Genitourinary NonFX MAIS 3'
- 97 = 'Genitourinary NonFX MAIS 4'
- 98 = 'Genitourinary NonFX MAIS 5'

99 = 'Trunk, other organs/blood vessels NonFX MAIS 1'  
100 = 'Trunk, other organs/blood vessels NonFX MAIS 2'  
**FINALDX continued**

101 = 'Trunk, other organs/blood vessels NonFX MAIS 3'  
102 = 'Trunk, other organs/blood vessels NonFX MAIS 4'  
103 = 'Trunk, other organs/blood vessels NonFX MAIS 5'  
104 = 'Pelvis Bone and external FX MAIS 2'  
105 = 'Pelvis Bone and external FX MAIS 3'  
106 = 'Lower Extremities, superficial NonFX MAIS 1'  
107 = 'Lower Extremities, superficial NonFX MAIS 2'  
108 = 'Hip/Thigh NonFX MAIS 1'  
109 = 'Hip/Thigh NonFX MAIS 2'  
110 = 'Hip/Thigh NonFX MAIS 3'  
111 = 'Hip/Thigh NonFX MAIS 4'  
112 = 'Hip/Thigh NonFX MAIS 5'  
113 = 'Hip/Thigh FX MAIS 2'  
114 = 'Hip/Thigh FX MAIS 3'  
115 = 'Knee NonFX MAIS 1'  
116 = 'Knee NonFX MAIS 2'  
117 = 'Knee NonFX MAIS 3'  
118 = 'Knee FX MAIS 2'  
119 = 'Lower Leg NonFX MAIS 1'  
120 = 'Lower Leg FX MAIS 2'  
121 = 'Lower Leg FX MAIS 3'  
122 = 'Ankle/Foot/Toes NonFX MAIS 1'  
123 = 'Ankle/Foot/Toes NonFX MAIS 2'  
124 = 'Ankle/Foot/Toes FX MAIS 1'  
125 = 'Ankle/Foot/Toes FX MAIS 2'  
126 = 'Ankle/Foot/Toes FX MAIS 3'  
127 = 'Lower Extremities, multi/unspec NonFX MAIS 1'  
128 = 'Lower Extremities, multi/unspec NonFX MAIS 2'  
129 = 'Lower Extremities, multi/unspec NonFX MAIS 3'  
130 = 'Lower Extremities, multi/unspec NonFX MAIS 4'  
131 = 'Lower Extremities, multi/unspec FX MAIS 3'  
132 = 'Burns, unspecified Body Part NonFX MAIS 1'  
133 = 'Burns, unspecified Body Part NonFX MAIS 2'  
134 = 'Burns, unspecified Body Part NonFX MAIS 3'  
135 = 'Burns, unspecified Body Part NonFX MAIS 5'  
136 = 'Whole Body minor external NonFX MAIS 1'  
137 = 'Died'  
999= 'Missing MAIS Score'

## VEHICLE INFORMATION (Available 1994-2007)

DATA ELEMENT NAME	DESCRIPTION OF ELEMENT (VALUES)	SAS FORMATTING LABEL	FILE ELEMENT WAS DERIVED FROM
<b>VBASE</b>	<b>VEHICLE LENGTH (BASE MODEL)</b>		<b>VIN DERIVED</b>
<b>VDISPLACE</b>	<b>VEHICLE ENGINE DISPLACEMENT (cc)</b>		<b>VIN DERIVED</b>
<b>VMAKE</b>	<b>VEHICLE MAKE</b>	<b>\$VMAKE</b>	<b>VIN DERIVED</b>
	'ACUR' = 'ACURA'		
	'ALFA' = 'ALFA ROMEO'		
	'AMER' = 'AMERICAN MOTOR'		
	'AUDI' = 'AUDI'		
	'BMW ' = 'BMW'		
	'BSA ' = 'BSA'		
	'BUIC' = 'BUICK'		
	'CADI' = 'CADILLAC'		
	'CHEV' = 'CHEVROLET'		
	'CHRY' = 'CHRYSLER'		
	'DAIH' = 'DAIHATSU'		
	'DATS' = 'DATSUN'		
	'DODG' = 'DODGE'		
	'EGIL' = 'EAGLE'		
	'FIAT' = 'FIAT'		
	'FORD' = 'FORD'		
	'FRHT' = 'FREIGHTLINER'		
	'FWD ' = 'FWD'		
	'GMC ' = 'GMC'		
	'HD ' = 'HARLEY DAVIDSON'		
	'HOND' = 'HONDA'		
	'HYUN' = 'HYUNDAI'		
	'INFI' = 'INFINITI'		
	'IHC ' = 'IH/NAVISTAR'		
	'INTL' = 'INTERNATIONAL'		
	'ISU ' = 'ISUZU'		
	'JAGU' = 'JAGUAR'		
	'JEEP' = 'JEEP'		
	'KAWK' = 'KAWASAKI'		
	'KIQ ' = 'KIA'		
	'KW ' = 'DENWORTH'		
	'LEXS' = 'LEXUS'		
	'LINC' = 'LINCOLN'		
	'LNDR' = 'LAND ROVER'		
	'MACK' = 'MACK'		
	'MAZD' = 'MAZDA'		
	'MERZ' = 'MERCEDES BENZ'		
	'MERC' = 'MERCURY'		
	'MERK' = 'MERKUR'		
	'MG ' = 'MG'		
	'MITS' = 'MITSUBISHI'		
	'NAVI' = 'NAVISTAR'		



'2P'='Pilard Hard 2 Dr'  
 '2T'='Hardtop 2 Dr'  
 '2W'='Wagon 2 Dr'  
 '3D'='Runabout 3 Dr'  
 '4D'='Sedan 4 Dr'  
 '4H'='Hatchback 4 Dr'  
 '4L'='Liftback 5 Dr'  
 '4P'='Pilard hard 4 Dr'  
 '4T'='Hardtop 4 Dr'  
 '5D'='Sedan 5 Dr'  
 '4W'='4 Dr Wagon'  
 '8V'='8 Passenger'  
 'AR'='Armored Truck'  
 'AT'='All Terrain'  
 'BU'='Bus'  
 'AC'='Auto Carrier'  
 'AM'='Ambulance'  
 'CB'='Cab & Chassis (Luv)'  
 'CC'='Conventional Cab'  
 'CG'='Cargo Van'  
 'CH'='Crew Chassis'  
 'CL'='Club Chassis'  
 'CM'='Concrete or Transit Mixer'  
 'CP'='Coupe or Crew Pickup(Trucks)'  
 'CR'='Crane'  
 'CS'='Super Cab or Chassis Pickup'  
 'CU'='Custom Pickup'  
 'CV'='Convertible'  
 'CY'='Cargo Cutaway'  
 'DP'='Dump'  
 'DS'='Tractor Truck'  
 'EC'='Extended Cargo Van'  
 'EN'='Enduro'  
 'ES'='Extended Sport Van'  
 'EV'='Ext Van'  
 'EW'='Extended Window van'  
 'FB'='Flatbed or Platform'  
 'FC'='Forward Control'  
 'FT'='Fire Truck'  
 'GG'='Garbage or Refuse'  
 'GL'='Gliders'  
 'GN'='Grain'  
 'HB'='Hatchback'  
 'HO'='Hopper'  
 'HR'='Hearse'  
 'HT'='Hardtop'  
 'IC'='Incomplete Chasis'  
 'IE'='Incomplete Ext Van'  
 'LB'='Liftback'  
 'LG'='Logger'  
 'LL'='Suburban and carry-all'  
 'LM'='Limousine'  
 'MH'='Motorized Home'  
 'MK'='MiniBike'  
 'MM'='Mini Moto Cross'  
 'MP'='Multi Purpose(Truck) Moped(Motorcycles)'

'MR'='Miniroad'  
 'MS'='Motor Scooter'  
 'MX'='Motocross'  
 'MV'='Maxi Van'  
 'MY'='Motorized Cutaway'  
 'NB'='Notchback'  
 'PC'='Club Cab Pickup'  
 'PD'='Parcel Delivery'  
 'PK'='Pickup'  
 'PM'='Pickup with Camper'  
 'PN'='Panel'  
 'PS'='Super Cab Pickup'  
 'RC'='Racer'  
 'RD'='Roadster'  
 'RS'='Road/Street'  
 'RT'='Road/Trail'  
 'SB'='Sport hatchback'  
 'SC'='Sport Coupe'  
 'SD'='Sedan'  
 'SN'='Step Van'  
 'SP'='Sport Pickup'  
 'ST'='Stake or Rack'  
 'SV'='Sport Van'  
 'SW'='Station Wagon'  
 'S1'='One Seat'  
 'S2'='Two Seat'  
 'TB'='Tilt Cab'  
 'TL'='Tilt Tandem'  
 'TM'='Tandem'  
 'TN'='Tank'  
 'TR'='Tractor Truck (Gas)'  
 'UT'='Utility'  
 'VC'='Van Camper'  
 'VD'='Display Van'  
 'VN'='Van'  
 'VT'='Vanette'  
 'VW'='Window Van'  
 'WK'='Tow Truck Wrecker'  
 'WW'='Wide Wheel Wagon'  
 'XT'='Travelall'  
 'YY'='Cutaway'  
 '00'='Not Applicable'  
 '99'='Unknown';

**VWEIGHT      VEHICLE WEIGHT (BASE MODEL)**

**VIN DERIVED**

**VYEAR          VEHICLE YEAR (1980+ only)**

**VIN DERIVED**

## **MUNICIPAL FIPS RELATED INFORMATION (Available 1994-2007)**

FIPS codes are used by the Census Bureau (and other federal governmental agencies) to geocode specific governmental “places” for statistical and other reporting. We have matched the federal FIPS code, location name, and the latitude and longitude of the governmental unit to the municipal code (MUNICODE, above) so that analysts can link to other potential information regarding the crash location, and utilize GIS software to analyze and display crash location and other characteristics. We have linked over 99.5% of crash records to their corresponding FIPS codes in every year.

<b>DATA ELEMENT NAME</b>	<b>DESCRIPTION OF ELEMENT (VALUES)</b>	<b>SAS FORMATTING LABEL</b>	<b>FILE ELEMENT WAS DERIVED FROM</b>
<b>MUNIFIPS</b>	<b>5 Digit FIPS Code for Governmental Unit (State Specific Codes)</b>		<b>Census/Municode Linkage</b>
<b>MUNILAT</b>	<b>Latitude of Municipal Unit</b>		<b>Census/Municode Linkage</b>
<b>MUNILONG</b>	<b>Longitude of Municipal Unit</b>		<b>Census/Municode Linkage</b>
<b>MUNINAME</b>	<b>Township/Village/City Name</b>		<b>Census/Municode Linkage</b>

## EMERGENCY DEPARTMENT DATA (Available 2002 Only)

DATA ELEMENT NAME	DESCRIPTION OF ELEMENT (VALUES)	SAS FORMATTING LABEL	FILE ELEMENT WAS DERIVED FROM
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<b>AGEED</b>	<b>ER REPORTED AGE</b>	<b>EMER DEPT</b>
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<b>CHARGEED</b>	<b>ER CHARGES</b>	<b>EMER DEPT</b>
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<b>COUNTYED</b>	<b>ER RPT COUNTY RESIDENCE</b>	<b>EMER DEPT</b>
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- 01 = Adams
- 02 = Ashland
- 03 = Barron
- 04 = Bayfield
- 05 = Brown
- 06 = Buffalo
- 07 = Burnett
- 08 = Calumet
- 09 = Chippewa
- 10 = Clark
- 11 = Columbia
- 12 = Crawford
- 13 = Dane
- 14 = Dodge
- 15 = Door
- 16 = Douglas
- 17 = Dunn
- 18 = Eau Claire
- 19 = Florence
- 20 = Fond Du Lac
- 21 = Forest
- 22 = Grant
- 23 = Green
- 24 = Green Lake
- 25 = Iowa
- 26 = Iron
- 27 = Jackson
- 28 = Jefferson
- 29 = Juneau
- 30 = Kenosha
- 31 = Kewaunee
- 32 = La Crosse
- 33 = Lafayette
- 34 = Langlade
- 35 = Lincoln
- 36 = Manitowoc
- 37 = Marathon
- 38 = Marinette
- 39 = Marquette

- 40 = Menominee
- 41 = Milwaukee
- 42 = Monroe
- 43 = Oconto
- 44 = Oneida
- 45 = Outagamie
- 46 = Ozaukee
- 47 = Pepin
- 48 = Pierce
- 49 = Polk
- 50 = Portage
- 51 = Price
- 52 = Racine
- 53 = Richland
- 54 = Rock
- 55 = Rusk
- 56 = St.Croix
- 57 = Sauk
- 58 = Sawyer
- 59 = Shawano
- 60 = Sheboygan
- 61 = Taylor
- 62 = Trempealeau
- 63 = Vernon
- 64 = Vilas
- 65 = Walworth
- 66 = Washburn
- 67 = Washington
- 68 = Waukesha
- 69 = Waupaca
- 70 = Waushara
- 71 = Winnebago
- 72 = Wood
- Other = Out Of State

**DISQTED ER DISCHARGE QUARTER**

**EMER DEPT**

**DSTSED ER DISCHARGE STATUS**

**EMER DEPT**

- 01 = Home/Self Care
- 02 = Short Term Hospital
- 03 = Skilled Nf
- 04 = Intermediate Nf
- 05 = Other Institution
- 06 = Home W Home Health
- 07 = Against Medical Adv
- 08 = Home Intravenous Prov
- 20 = Died
- 50 = Hospice-Home
- 51 = Hospice Facility
- 61 = Medicare Swing Bed
- 62 = Inpatient Rehab Unit
- 63 = Medicare Long Term Hosp
- 64 = Medicaid Cer Nursing Fac
- 65 = Psych Hospital Or Unit

<b>EDECODE</b>	<b>INJURY (E) CODE - ICD9</b>		<b>EMER DEPT</b>
<b>EDLINK</b>	<b>EMERGENCY DEPT LINK FLAG</b>	<b>FLINK</b>	<b>EMER DEPT</b>
<b>HDXC1ED</b>	<b>ER-PRINCIPAL DIAGNOSIS ICD9</b>		<b>EMER DEPT</b>
<b>HDXC2ED</b>	<b>ER-SECONDARY DX #1 ICD9</b>		<b>EMER DEPT</b>
<b>HDXC3ED</b>	<b>ER-SECONDARY DX #2 ICD9</b>		<b>EMER DEPT</b>
<b>HDXC4ED</b>	<b>ER-SECONDARY DX #3 ICD9</b>		<b>EMER DEPT</b>
<b>HDXC5ED</b>	<b>ER-SECONDARY DX #4 ICD9</b>		<b>EMER DEPT</b>
<b>HOSPIDED</b>	<b>ER-HOSPITAL ID</b>		<b>EMER DEPT</b>
<b>NEWBRNED</b>	<b>ER-NEWBORN STATUS</b> 1=Normal 2=Premature 3=Sick Baby 4=Extramural 9=Unknown	<b>\$FNEWBRN</b>	<b>EMER DEPT</b>
<b>PAYGRP1ED</b>	<b>PAYER GROUP 1</b> 1 = Medicare 2 = Medicaid 3 = Other Government 4 = Private Insurance 5 = Self Pay 6 = Other/Unknown	<b>\$PAYID</b>	<b>EMER DEPT</b>
<b>PAYGRP2ED</b>	<b>PAYER GROUP 2</b> 1 = Medicare 2 = Medicaid 3 = Other Government 4 = Private Insurance 5 = Self Pay 6 = Other/Unknown	<b>\$PAYID</b>	<b>EMER DEPT</b>
<b>PAYTYPE1ED</b>	<b>TYPE OF PAYER 1</b> 1 = Fee For Service 2 = Managed Care Plan 3 = Champus/Champva 4 = Unable To Determine	<b>\$PAYCAT</b>	<b>EMER DEPT</b>
<b>PAYTYPE2ED</b>	<b>TYPE OF PAYER 2</b> 1 = Fee For Service 2 = Managed Care Plan 3 = Champus/Champva 4 = Unable To Determine	<b>\$PAYCAT</b>	<b>EMER DEPT</b>
<b>PRC1ED</b>	<b>ER-PRINCIPAL PROCEDURE</b>		<b>EMER DEPT</b>
<b>PRC2ED</b>	<b>ER-OTHER PROC #1</b>		<b>EMER DEPT</b>
<b>PRC3ED</b>	<b>ER-OTHER PROC #2</b>		<b>EMER DEPT</b>
<b>PRC4ED</b>	<b>ER-OTHER PROC #3</b>		<b>EMER DEPT</b>

**PRC5ED**      **ER-OTHER PROC #4**      **EMER DEPT**

**PRC6ED**      **ER-OTHER PROC #5**      **EMER DEPT**

**SADMED**      **ER SOURCE OF ADMIT**      **\$FSADM**      **EMER DEPT**

- 1 = Physician
- 2 = Clinic
- 3 = Hmo
- 4 = Transfer-Acute Care Fac
- 5 = Transfer-Snf
- 6 = Transfer-Other
- 7 = Emergency Room
- 8 = Court/Law
- 9 = Not Available

**SEXED**      **ER REPORTED SEX**      **\$FSEX**      **EMER DEPT**

- 1 = Male 2 = Female

**ZIPCODED**      **PATIENT ZIPCODE OF RESIDENCE**      **EMER DEPT**

**WISCONSIN CODES “CRASH ONLY” PUBLIC USE LINKAGE FILE ELEMENTS  
(Available in 2003-2007 Only)**

The 2003-2006 public use file contains all crash information previously contained in the public use files (except that HSA – Health Service Area -- has been deleted). As of November 1, 2006 (starting with 2003 data), it does not contain inpatient hospital or Emergency Department data. Additionally, it contains 4 data elements related to linking the crash data with inpatient and ED data files -- for those who have acquired those data files. These elements are:

**HOSPLINK** Did the crash record link to an inpatient hospital record (Y or N)?

**HOSPHDSNUM** If the record linked to an inpatient record, this is the unique inpatient record identifier to be used in linking the crash record to the inpatient record.

**EDLINK** Did the crash record link to an emergency department record (Y or N)?

**EDHDSNUM** If the record linked to an ED record, this is the unique ED record identifier to be used in linking the crash record to the ED record.

## NEW DATA ELEMENTS (Available in 2007 Only)

The 2003-2006 public use file contains all **crash** information previously contained in the

<b>UNITNMBR</b>	<b>Number of Unit in Crash</b>	<b>Crash Data</b>
<b>TOTVEH</b>	<b>Total Number of Vehicles in Crash</b>	<b>Crash Data</b>
<b>ALCFLAGALL</b>	<b>Alcohol Flag indicating whether occupant (including drivers and passengers was involved in crash for which alcohol use was a factor(as reported by police).</b>	<b>Crash Data</b>
<b>DIED_CAT</b>	<b>Location of Death for fatalities</b> 0= Did Not Die 1= Died at Scene of Crash 2= Died En-route to Medical Center 3= Died at Medical Center	<b>Crash/ED/Hospital Data</b>
<b>ACCDDATE</b>	<b>Accident Date MM/DD/YY</b> (YY is always "20" due to truncation in original data)	<b>Crash Data</b>
<b>BIRTHDT</b>	<b>Birth Date MMDDYYYY</b> Only available for drivers and injured occupants	<b>Crash Data</b>

# APPENDIX 1.

## COST ESTIMATES PROVIDED IN THE WISCONSIN CODES PUBLIC USE FILES

### Background

Codes linked data provides a rich pool of information concerning the types of injuries individuals suffer when involved in a motor vehicle crash. However, one of the areas in which CODES data suffers is in the estimate of costs surrounding injuries sustained in a motor vehicle crash. Wisconsin CODES data contains hospital inpatient and Emergency Department charges with respect to motor vehicle injuries. Charges are difficult to evaluate insofar as they don't represent what the actual cost for the inpatient is, nor what an insurer will likely pay for the inpatient stay. Additionally, hospital/ED charges do not include professional fees associated with services rendered to the patient (most notably surgically related services). Hospital/ED charges are also deficient insofar as "cost shifting" may occur between certain kinds of patients.

Hospital/ED charges are also deficient with respect to the panoply of services provided over the course of an episode of injury surrounding a motor vehicle crash. Such services include EMS, rehabilitation, diagnostic services and pharmacy costs.

Net of "medically" related costs, there are other monetary costs victims and society incur in the event of a motor vehicle crash. These include police/EMS costs, insurance administration, legal costs and, most important, loss of work and household related costs. Finally, victims of motor vehicle crashes suffer from losses in quality of life – either through death or short/long term disability and pain -- which need to be considered when assessing the impact of crashes on the economy.

### Cost Estimates Used

In an attempt to more fully capture the costs associated with motor vehicle related crashes in Wisconsin, we are providing diagnostic code based cost estimates in the revised Wisconsin CODES public use files. The basis for these cost estimates were outlined in a paper published in 2004, "*Crash costs by body part injured, fracture involvement and threat-to-life severity, United States, 2000*" (Zaloshnja et al., 2003 ). This paper is an elaboration of analysis the authors performed while working on a major NHTSA study: "*The Economic Impact of Motor Vehicle Crashes, 2000*" (Blincoe et al., 2002) published in 2002. This study used the methods employed in the US Consumer Product Safety Commission's injury cost model, and utilized nationally representative samples of hospitalized patients to derive detailed cost estimates for medical and other costs based on specific types of injuries.

The studies identify three broad types of cost, which we employ here.

**Medical Costs:** Ambulance, ER, physician/specialists, inpatient hospital, rehabilitation, prescription, medical equipment and related special treatment costs.

**Other Costs:** Police/Fire services, household work, wage work/human capital losses, insurance administration, legal/court costs and property damage.

**Quality of Life (QOL):** Costs related to suffering caused by injury and death both to the victim and to their families. These costs are estimated utilizing quality adjusted life years (QALYs) where perfect health is assigned a value of 1 while death is 0. Estimates of age/sex and diagnostic specific QALY loss values were developed by Miller et al. (1995) and the average value of a year of life came from a meta-analytic review by Miller (1990) and discounted over time at 3%. The discount factor is important insofar as QOL costs often occur over the remainder of a lifetime in the event of disability. For their 2000 study, the monetary value of a QALY was \$91,752.

### Application of Cost Estimates

The authors of the study utilized diagnostic codes to develop their cost estimates. Their method involves three steps:

First, they determined if a fracture was involved. To determine this, we used diagnostic codes in the ranges of 800-829 (fractures) and 925-929 (crushing injuries).

Second, they utilize the Maximum Abbreviated Injury Score (MAIS) to group together specific cases for cost estimation. The MAIS is a six step scale ranging from 1 (minor) to 6 (maximum). They used ICD-MAP90 software to develop the MAIS scores. We also utilized ICD-MAP90 to generate the MAIS for linked crash/inpatient cases in 2002.

Third, they determined the specific body part which had been injured. We initially utilized groupings used in the 2000 study as provided by one of the authors. We then evaluated which cases were not being grouped into a specific body part/region and made adjustments for diagnostic codes not initially coded.

The cost estimates developed by the authors included all victims of motor vehicle crashes including non-hospitalized persons.

In order to correctly group the cases, a maximum abbreviated injury score (MAIS) had to be available. We utilized ICDMAP90, a software package developed at John Hopkins, to generate the MAIS and other related injury severity information.

Utilizing Bureau of Labor Statistics data, we inflated or deflated medical costs between 2000 (the year of the original study) and the specific year included in the data. We inflated or deflated other monetary costs and QOL costs by standard CPI changes. The inflation/deflation factors used are shown below.

<b>Year</b>	<b>CPI Adjustment</b>	<b>Medical Inflation</b>
<b>1994</b>	<b>0.8606</b>	<b>0.7722</b>
<b>1995</b>	<b>0.8850</b>	<b>0.8455</b>
<b>1996</b>	<b>0.9110</b>	<b>0.8750</b>
<b>1997</b>	<b>0.9321</b>	<b>0.8995</b>
<b>1998</b>	<b>0.9466</b>	<b>0.9283</b>
<b>1999</b>	<b>0.9675</b>	<b>0.9609</b>
<b>2000</b>	<b>1.0000</b>	<b>1.0000</b>
<b>2001</b>	<b>1.0285</b>	<b>1.0460</b>
<b>2002</b>	<b>1.0401</b>	<b>1.0951</b>
<b>2003</b>	<b>1.0685</b>	<b>1.1392</b>
<b>2004</b>	<b>1.0970</b>	<b>1.1890</b>
<b>2005</b>	<b>1.1341</b>	<b>1.2393</b>
<b>2006</b>	<b>1.1777</b>	<b>1.3075</b>

Blincoe, L.J., Seay, A.G., Zaloshnja, E., Miller T.R., Romano, O.E., Luchter, S., Spicer, R.S., 2002. The Economic Impact of Motor Vehicle Crashes, 2000. Report DOT HS 809 446. US Department of Transportation.

Zaloshnja, E., Miller, T., Romano, E., Spicer, R., 2003. Crash costs by body part injured, fracture involvement, and threat-to-life severity, United States, 2000. *Accid Anal Prev* 36 (2004) 415-42

## APPENDIX 2. HOSPITAL IDs and NAMES

Hospital ID	City	Facility Name	County #	County Name
1	Amery	Apple River Hospital, Inc	48	Polk
2	Antigo	Langlade Memorial Hospital	34	Langlade
3	Appleton	Appleton Medical Center	44	Outagamie
4	Appleton	St. Elizabeth's Hospital	44	Outagamie
5	Arcadia	St. Joseph's Hospital	61	Trempealeau
6	Ashland	Memorial Medical Center	2	Ashland
7	Baldwin	Baldwin Community Memorial	55	St. Croix
8	Baraboo	St. Clare Hospital	56	Sauk
9	Barron	Barron Memorial Medical	3	Barron
10	Beaver Dam	Beaver Dam Community	14	Dodge
11	Beloit	Beloit Memorial Hospital	53	Rock
13	Berlin	Berlin Memorial Hospital	24	Green Lake
14	Black River Falls	Black River Falls Bloomer Community Memorial	27	Jackson
15	Bloomer	Memorial Hospital of	9	Chippewa
16	Boscobel	Boscobel	22	Grant
17	Brookfield	Elmbrook Memorial Hospital	67	Waukesha
18	Burlington	Memorial Hospital C	51	Racine
19	Chilton	Calumet Medical Center	8	Calumet
20	Chippewa Falls	St. Joseph's Hospital Columbus Community Hospital	9	Chippewa
22	Columbus	Hospital	11	Columbia
23	Cudahy	Trinity Memorial Hospital	40	Milwaukee
24	Cumberland	Cumberland Memorial	3	Barron
25	Darlington	Memorial Hospital of	33	Lafayette
26	Dodgeville	The Memorial Hospital	25	Iowa
27	Durand	Chippewa Valley Hospital	46	Pepin
28	Eagle River	Eagle River Memorial	63	Vilas
29	Eau Claire	Luther Hospital	18	Eau Claire
30	Eau Claire	Sacred Heart Hospital Memorial Community Hospital	18	Eau Claire
31	Edgerton	Hospital	53	Rock
32	Elkhorn	Lakeland Hospital	64	Walworth
33	Fond du Lac	Fond du Lac County	20	Fond du Lac
34	Fond du Lac	St. Agnes Hospital	20	Fond du Lac
35	Fort Atkinson	Fort Atkinson Me	28	Jefferson
37	Friendship	Adams County Memorial	1	Adams
38	Grantsburg	Burnett General Hospital	7	Burnett
39	Green Bay	Bellin Memorial Hospital	5	Brown
40	Green Bay	Brown County Mental	5	Brown
41	Green Bay	St. Mary's Hospital	5	Brown
42	Green Bay	St. Vincent Hospital	5	Brown

43	Hartford	Hartford Memorial Hospital	66	Washington
44	Hayward	Hayword Area Memorial	57	Sawyer
45	Hillsboro	St. Joseph's Memorial	62	Vernon
46	Hudson	Hudson Memorial Hospital	55	St. Croix
48	Janesville	Mercy Hospital	53	Rock
50	Janesville	Rock County 51.42 S Kaukauna Community Hospital	53	Rock
52	Kaukauna	Hospital	44	Outagamie
53	Kenosha	Kenosha Hospital and	30	Kenosha
54	Kenosha	St. Catherine's Hospital	30	Kenosha
55	Kewaunee	St. Mary's Kewaunee	31	Kewaunee
56	La Crosse	LaCrosse Lutheran Hospital	32	La Crosse
57	La Crosse	St. Francis Medical Center	32	La Crosse
58	Ladysmith	Rusk County Memorial	54	Rusk
59	Lancaster	Lancaster Memorial Hospital	22	Grant
60	Madison	Mendota Mental Health	13	Dane
61	Madison	Meriter	13	Dane
63	Madison	St. Mary's Hospital	13	Dane
64	Madison	University of Wisconsin	13	Dane
67	Marinette	Bay Area Medical Center	38	Marinette
68	Marshfield	Norwood Health Center	71	Wood
69	Marshfield	St. Joseph's Hospital	71	Wood
70	Mauston	Hess Memorial Hospital	29	Juneau
71	Medford	Memorial Hospital of T	60	Taylor
	Menomonee			
72	Falls	Community Memorial	67	Waukesha
73	Menomonie	Myrtle Werth Medical	17	Dunn
74	Merrill	Good Samaritan Health	35	Lincoln
75	Milwaukee	Children's Hospital	40	Milwaukee
76	Milwaukee	Columbia Hospital	40	Milwaukee
77	Milwaukee	DePaul Hospital	40	Milwaukee
79	Milwaukee	Froedtert Memorial	40	Milwaukee
81	Milwaukee	Northwest General Hospital	40	Milwaukee
82	Milwaukee	Sacred Heart Rehabilitation	40	Milwaukee
85	Milwaukee	St. Francis Hospital	40	Milwaukee
86	Milwaukee	St. Joseph's Hospital	40	Milwaukee
87	Milwaukee	St. Luke's Medical Center	40	Milwaukee
88	Milwaukee	St. Mary's Hill Hospital	40	Milwaukee
89	Milwaukee	St. Mary's Hospital	40	Milwaukee
90	Milwaukee	St. Michael Hospital	40	Milwaukee
91	Monroe	St. Clare Hospital	23	Green
		Theda Clark Regional		
92	Neenah	Medical	70	Winnebago
93	Neillsville	Memorial Hospital	10	Clark
94	New London	New London Family	44	Outagamie
95	New Richmond	Holy Family Hospital	55	St. Croix
98	Oconomowoc	Memorial Hospital	67	Waukesha
99	Oconomowoc	Rogers Memorial Hospital	67	Waukesha
100	Oconto	Oconto Memorial Hospital	42	Oconto
101	Oconto Falls	Community Memorial	42	Oconto
102	Osceola	Ladd Memorial Hospital	48	Polk

103	Oshkosh	Mercy Medical Center	70	Winnebago
104	Osseo	Osseo Area Hospital	61	Trempealeau
106	Park Falls	Flambeau Medical Center	50	Price
107	Phelps	Northwoods Hospital Southwest Healthcare Center	63	Vilas
108	Platteville		22	Grant
109	Plymouth	Valley View Medical Center St. Mary's Hospital - Ozaukee	59	Sheboygan
110	Mequon		45	Ozaukee
111	Portage	Divine Savior Hospital	11	Columbia
112	Prairie du Chien	Prairie du Chien	12	Crawford
113	Prairie du Sac	Sauk Prairie Memorial	56	Sauk
115	Racine	St. Luke's Memorial Hospital	51	Racine
116	Racine	St. Mary's Medical Center	51	Racine
117	Reedsburg	Reedsburg Area Medical	56	Sauk
118	Rhineland	Sacred Heart - St. Mary's	43	Oneida
119	Rice Lake	Lakeview Medical Center	3	Barron
120	Richland Center	The Richland Hospital	52	Richland
121	Ripon	Ripon Memorial Hospital	20	Fond du Lac
122	River Falls	River Falls Area Hospital Shawano Community Hospital	55	St. Croix
123	Shawano		58	Shawano
124	Sheboygan	Sheboygan Memorial	59	Sheboygan
125	Sheboygan	St. Nicholas Hospital	59	Sheboygan
127	Sparta	St. Mary's Hospital Spooner Community Memorial	41	Monroe
128	Spooner		65	Washburn
129	St. Croix Falls	St. Croix Valley	48	Polk
130	Stanley	Victory Memorial Hospital	9	Chippewa
131	Stevens Point	St. Michael's Hospital	49	Portage
132	Stoughton	Stoughton Hospital	13	Dane
133	Sturgeon Bay	Door County Memorial	15	Door
134	Superior	Superior Memorial Hospital	16	Douglas
135	Tomah	Tomah Memorial Hospital	41	Monroe
136	Tomahawk	Sacred Heart Hospital	35	Lincoln
137	Two Rivers	Two Rivers Community	36	Manitowoc
138	Viroqua	Vernon Memorial Hospital Watertown Memorial Hospital	62	Vernon
139	Watertown		28	Jefferson
140	Waukesha	Waukesha County Mental Waukesha Memorial Hospital	67	Waukesha
141	Waukesha		67	Waukesha
142	Waupaca	Riverside Medical Center	68	Waupaca
143	Waupun	Waupun Memorial Hospital Marathon Health Care Center	14	Dodge
144	Wausau		37	Marathon
145	Wausau	Wausau Hospital Center	37	Marathon
146	Milwaukee	Lakeview Hospital	40	Milwaukee
148	Wauwatosa	Milwaukee County Medical	40	Milwaukee
149	Wauwatosa	Milwaukee Psychiatric	40	Milwaukee
150	West Allis	West Allis Memorial	40	Milwaukee
151	West Bend	St. Joseph's Community	66	Washington

152	Whitehall	Tri County Memorial	61	Trempealeau
153	Wild Rose	Wild Rose Community	69	Waushara
154	Winnebago Wisconsin	Winnebago Mental Health	70	Winnebago
155	Rapids	Riverview Hospital	71	Wood
156	Woodruff	Howard Young Medical	43	Oneida
163	Brown Deer	Northbrook Hospital	40	Milwaukee
167	West Allis	Charter Hospital	40	Milwaukee
168	Milwaukee	Sinai - Samaritan Medical	40	Milwaukee
172	Green Bay	Bellin Psychiatric Center	5	Brown
178	Manitowoc	Holy Family Medical	36	Manitowoc
179	Shell Lake	Indianhead Medical	65	Washburn
180	Waterford	Midwest Rehabilitation	51	Racine
181	Greenfield	THC Hospital	40	Milwaukee
183	Milwaukee	St. Luke's Medical Center	40	Milwaukee