



VEHICLE TYPE CRASH INVOLVEMENT



MOST SEVERE OUTCOME IN CRASH

MOST SEVERE OUTCOME IN VEHICLE

Vehicle Types	Motor Vehicles		Fatal Crash		Injury	PDO	Fatality in Veh		Injury	No Injury
	Number of Vehicles	% of Total	Number	% of Total			Number	% of Total		
Passenger Car and Station Wagon	495,366	67.3	1,237	60.0	112,650	381,479	740	68.9	72,201	422,425
Van and Motorhome	55,991	7.6	126	6.1	12,663	43,202	53	4.9	7,023	48,915
Pickup	115,093	15.6	349	16.9	22,316	92,428	138	12.8	11,631	103,324
Small Truck (under 10,000 lbs.)	17,602	2.4	44	2.1	3,614	13,944	18	1.7	1,988	15,596
Motorcycle	3,180	0.4	82	4.0	2,317	781	76	7.1	2,266	838
Moped	285	0.0	6	0.3	190	89	5	0.5	175	105
Go Cart	20	0.0	1	0.0	13	6	1	0.1	12	7
Snowmobile	815	0.1	19	0.9	421	375	17	1.6	365	433
Off Road Vehicle	311	0.0	7	0.3	225	79	7	0.7	212	92
Other	2,152	0.3	9	0.4	540	1,603	3	0.3	280	1,869
Unkown	24,601	3.3	19	0.9	3,237	21,345	2	0.2	1,318	23,281
CDL Truck/Bus (breakdown below)	20,803	2.8	163	7.9	3,996	16,644	14	1.3	1,015	19,774
Total Number of Vehicles	736,219	100.0	2,062	100.0	162,182	571,975	1,074	100.0	98,486	636,659

Special Note: School bus is not recorded on the UD-10 and cannot be broken out of CDL Truck/Bus.

CDL Truck/Bus Sub-category Types	Motor Vehicles		Fatal Crash		Injury	PDO	Fatality in Veh		Injury	No Injury
	Number of Vehicles	% of Total	Number	% of Total			Number	% of Total		
Commercial Vehicle: Group A	9,391	45.1	99	60.7	1,955	7,337	5	35.7	390	8,996
Commercial Vehicle: Group B	4,483	21.5	35	21.5	886	3,562	6	42.9	297	4,180
Commercial Vehicle: Group C	675	3.2	2	1.2	137	536	0	0.0	41	634
Other Truck	1,150	5.5	9	5.5	226	915	1	7.1	64	1,085
Unknown Truck	5,104	24.5	18	11.0	792	4,294	2	14.3	223	4,879
Total Number of Vehicles	20,803	100.0	163	100.0	3,996	16,644	14	100.0	1,015	19,774

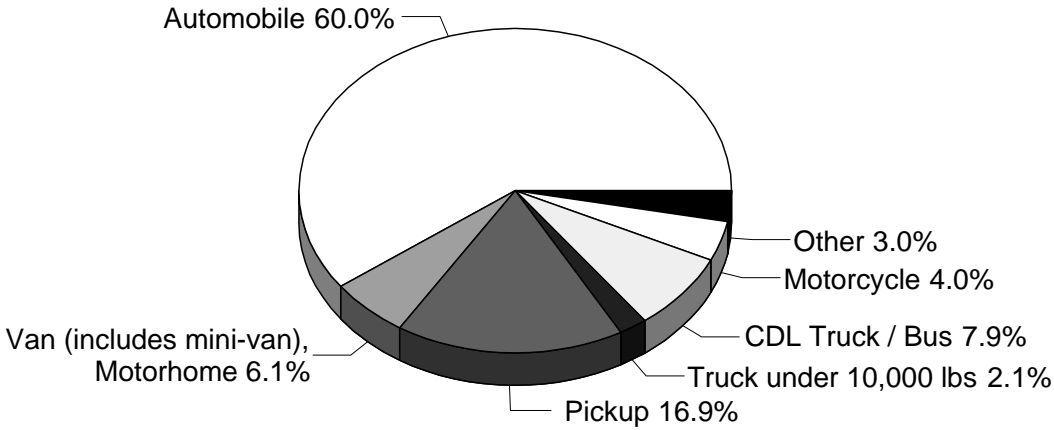
Group "A" is any vehicle that is towing a vehicle or trailer that has a gross vehicle weight rating (GVWR) over 10,000 lbs.

Group "B" is any single vehicle (including buses) with a GVWR of 26,001 lbs. or more. This would include a combination of vehicles with a combined GVWR over 26,000 lbs. when towing a trailer that has a GVWR of 10,000 lbs. or less.

Group "C" is any single vehicle with a GVWR of less than 26,001 lbs. or a combination of vehicles having a combined GVWR under 26,001 lbs. when the vehicle is required to display placards for hazardous material or designed to carry 16 passengers (including driver). Group "C" is also any vehicle carrying 15 or less people (including driver) transporting children to or from school and home on a regular basis for compensation.

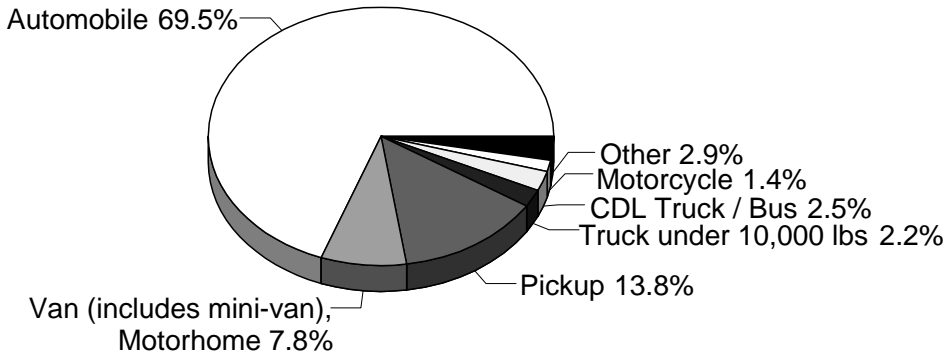
VEHICLE TYPES IN CRASHES BY CRASH SEVERITY

FATAL



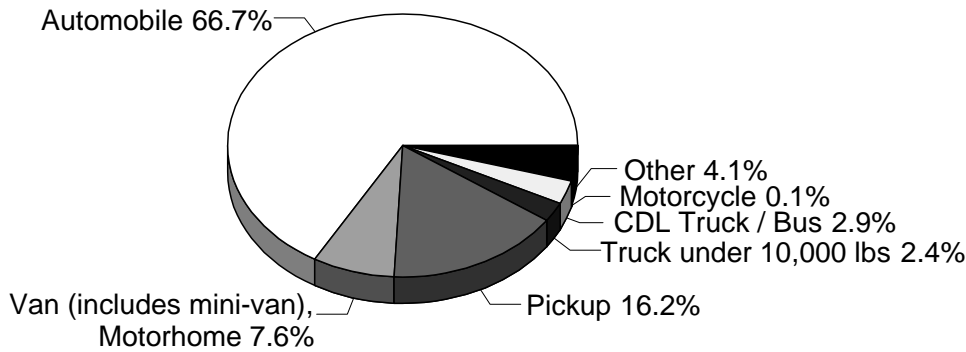
The top chart shows that 3 out of 4 vehicles involved in fatal crashes are automobiles or pickups. Van, Motorhome, the vehicle type that includes the popular minivan, has a fatal crash involvement of 6.1 percent.

INJURY



Special Note: "Other" consists of Moped, Go Cart, Snowmobile, Off Road Vehicle, Other, and Unknown.

PROPERTY DAMAGE ONLY



As with fatal crashes, Injury and PDO crashes are represented primarily by cars and pickups. One should also note the decline in proportional representation for motorcycles and heavy trucks compared to their levels in fatal crashes.

ACTION PRIOR TO CRASH

MOST SEVERE OUTCOME IN CRASH

DRIVER ACTION	All Vehicles		Fatal	Injury			PDO
	Number of Vehicles	% of Total		A	B	C	
Going straight ahead	377,487	51.3	1,523	10,022	22,856	53,837	289,249
Turning left	53,951	7.3	116	1,483	3,998	8,979	39,375
Turning right	20,828	2.8	15	220	792	2,157	17,644
Stopped on roadway	72,801	9.9	65	957	2,989	15,604	53,186
In prior crash	1,146	0.2	7	42	90	241	766
Changing lanes	17,135	2.3	32	212	564	1,667	14,660
Backing	19,378	2.6	5	70	228	673	18,402
Slowing/stopping on roadway	65,005	8.8	43	629	2,171	12,610	49,552
Slowing/stopping other	922	0.1	2	13	43	146	718
Starting up on roadway	13,948	1.9	28	305	691	2,403	10,521
Starting up other	421	0.1	2	9	26	66	318
Entering parking	1,056	0.1	0	7	24	77	948
Leaving parking	2,813	0.4	2	45	116	306	2,344
Entering roadway	11,620	1.6	24	226	640	1,752	8,978
Leaving roadway	1,443	0.2	15	85	152	186	1,005
Making U-turn	1,707	0.2	6	50	112	224	1,315
Overtaking or passing	6,132	0.8	34	205	323	650	4,920
Avoiding object	1,162	0.2	3	21	92	173	873
Avoiding pedestrian	161	0.0	11	18	17	27	88
Avoiding vehicle (front/back)	6,296	0.9	51	217	426	954	4,648
Avoiding vehicle (angle)	2,695	0.4	13	81	211	419	1,971
Driverless moving	485	0.1	0	8	19	23	435
Parked	32,026	4.4	46	363	974	1,340	29,303
Crossing at intersection	279	0.0	1	37	76	99	66
Crossing not at intersection	271	0.0	1	52	97	80	41
Getting on/off vehicle	30	0.0	0	8	3	4	15
In roadway with traffic	58	0.0	0	5	14	18	21
In roadway against traffic	26	0.0	0	5	6	6	9
Standing or lying in roadway	38	0.0	0	4	8	10	16
Pushing/working on vehicle	19	0.0	0	1	2	1	15
Other working in roadway	14	0.0	0	1	2	4	7
Playing in roadway	33	0.0	0	14	10	3	6
In roadway other reason	62	0.0	0	13	17	11	21
Not in roadway	32	0.0	0	6	9	9	8
Other	608	0.1	1	25	51	83	448
Unknown	22,521	3.1	14	364	806	2,446	18,891
Avoid animal	1,610	0.2	2	42	156	218	1,192
TOTAL	736,219	100.0	2,062	15,865	38,811	107,506	571,975

ACTION PRIOR TO CRASH (continued)

MOTORCYCLIST – INJURY SEVERITY

MOTORCYCLIST ACTION	All Motorcycles		All Motorcyclists		Fatal	Injury			No Injury
	Number of Motorcycles	% of Total	Number of Motorcyclist	% of Total		A	B	C	
Going straight ahead	2,032	63.9	2,264	64.2	57	481	778	479	429
Turning left	160	5.0	173	4.9	3	29	50	46	45
Turning right	119	3.7	131	3.7	2	9	52	26	37
Stopped on roadway	136	4.3	146	4.1	2	6	13	41	81
In prior crash	1	0.0	1	0.0	0	0	0	0	0
Changing lanes	59	1.9	63	1.8	4	11	25	8	12
Backing	4	0.1	4	0.1	0	0	0	2	2
Slowing/stopping on roadway	188	5.9	202	5.7	2	30	72	38	58
Slowing/stopping other	8	0.3	9	0.3	0	1	2	3	2
Starting up on roadway	49	1.5	51	1.4	0	7	12	17	14
Starting up other	4	0.1	4	0.1	0	0	3	0	0
Entering parking	2	0.1	2	0.1	0	0	0	1	0
Leaving parking	3	0.1	5	0.1	0	1	2	0	2
Entering roadway	24	0.8	36	1.0	0	7	12	12	5
Leaving roadway	12	0.4	13	0.4	0	4	0	5	4
Making U-turn	6	0.2	6	0.2	0	1	1	0	4
Overtaking or passing	70	2.2	76	2.2	3	28	19	8	13
Avoiding object	15	0.5	16	0.5	0	1	6	3	6
Avoiding pedestrian	3	0.1	3	0.1	0	0	0	1	2
Avoiding vehicle (front/back)	77	2.4	86	2.4	2	9	30	22	22
Avoiding vehicle (angle)	51	1.6	54	1.5	2	8	17	17	9
Driverless moving	1	0.0	1	0.0	0	0	0	0	0
Parked	50	1.6	50	1.4	0	1	0	0	10
Crossing at intersection	4	0.1	12	0.3	0	3	5	0	3
Crossing not at intersection	3	0.1	8	0.2	0	0	4	3	1
Getting on/off vehicle	0	0.0	0	0.0	0	0	0	0	0
In roadway with traffic	1	0.0	2	0.1	0	0	0	1	1
In roadway against traffic	1	0.0	2	0.1	0	0	2	0	0
Standing or lying in roadway	0	0.0	0	0.0	0	0	0	0	0
Pushing/working on vehicle	0	0.0	0	0.0	0	0	0	0	0
Other working in roadway	0	0.0	0	0.0	0	0	0	0	0
Playing in roadway	0	0.0	0	0.0	0	0	0	0	0
In roadway other reason	1	0.0	1	0.0	0	0	0	0	1
Not in roadway	0	0.0	0	0.0	0	0	0	0	0
Other	6	0.2	9	0.3	0	0	4	1	2
Unknown	63	2.0	68	1.9	1	4	14	23	13
Avoid animal	27	0.8	29	0.8	0	6	9	5	9
TOTAL	3,180	100.0	3,527*	100.0	78	647	1,132	762	787

* Includes 121 motorcyclists (drivers and passengers) with unknown injury severity

ACTION PRIOR TO CRASH (continued)

BICYCLIST - INJURY SEVERITY

BICYCLIST ACTION	All Bicycles		Fatal	Injury			No Injury
	Number of Bicycles	% of Total		A	B	C	
Going straight ahead	1,143	50.3	16	111	424	405	158
Turning left	56	2.5	1	4	24	15	11
Turning right	19	0.8	0	4	5	8	2
Stopped on roadway	13	0.6	0	1	6	2	4
In prior crash	1	0.0	0	0	0	1	0
Changing lanes	22	1.0	1	3	12	3	2
Backing	1	0.0	0	0	0	0	0
Slowing/stopping on roadway	5	0.2	0	0	2	1	2
Slowing/stopping other	7	0.3	0	2	3	2	0
Starting up on roadway	8	0.4	0	1	4	2	1
Starting up other	3	0.1	0	0	1	1	1
Entering parking	2	0.1	0	0	1	1	0
Leaving parking	2	0.1	0	1	1	0	0
Entering roadway	170	7.5	4	22	75	46	20
Leaving roadway	3	0.1	0	0	2	0	1
Making U-turn	1	0.0	0	1	0	0	0
Overtaking or passing	7	0.3	0	0	3	3	1
Avoiding object	4	0.2	0	0	2	2	0
Avoiding pedestrian	0	0.0	0	0	0	0	0
Avoiding vehicle (front/back)	4	0.2	0	0	2	0	2
Avoiding vehicle (angle)	10	0.4	0	1	6	2	0
Driverless moving	1	0.0	0	0	0	0	0
Parked	3	0.1	0	0	1	0	0
Crossing at intersection	381	16.8	3	30	126	155	61
Crossing not at intersection	139	6.1	2	17	61	40	15
Getting on/off vehicle	1	0.0	0	0	1	0	0
In roadway with traffic	39	1.7	0	7	16	9	6
In roadway against traffic	31	1.4	0	3	11	12	4
Standing or lying in roadway	4	0.2	0	0	2	2	0
Pushing/working on vehicle	0	0.0	0	0	0	0	0
Other working in roadway	1	0.0	0	1	0	0	0
Playing in roadway	15	0.7	0	2	6	4	1
In roadway other reason	21	0.9	2	1	12	4	2
Not in roadway	22	1.0	0	0	7	9	3
Other	41	1.8	0	4	15	16	5
Unknown	89	3.9	0	7	26	33	11
Avoid animal	2	0.1	0	0	0	2	0
TOTAL	2,271*	100.0	29	223	857	780	313

* Includes 69 bicyclists with unknown injury severity

ACTION PRIOR TO CRASH (continued)

PEDESTRIAN - INJURY SEVERITY

PEDESTRIAN ACTION	All Pedestrians		Fatal	Injury			No Injury
	Number of Pedestrians	% of Total		A	B	C	
Going straight ahead	106	3.7	1	16	30	37	18
Turning left	6	0.2	0	0	4	2	0
Turning right	5	0.2	0	0	2	1	2
Stopped on roadway	8	0.3	0	0	2	3	3
In prior crash	4	0.1	1	1	1	0	1
Changing lanes	2	0.1	0	0	2	0	0
Backing	0	0.0	0	0	0	0	0
Slowing/stopping on roadway	1	0.0	0	0	0	0	1
Slowing/stopping other	0	0.0	0	0	0	0	0
Starting up on roadway	2	0.1	0	0	1	1	0
Starting up other	0	0.0	0	0	0	0	0
Entering parking	0	0.0	0	0	0	0	0
Leaving parking	3	0.1	0	1	0	2	0
Entering roadway	17	0.6	1	3	6	6	0
Leaving roadway	3	0.1	0	1	1	1	0
Making U-turn	2	0.1	0	0	0	0	2
Overtaking or passing	2	0.1	0	1	1	0	0
Avoiding object	0	0.0	0	0	0	0	0
Avoiding pedestrian	0	0.0	0	0	0	0	0
Avoiding vehicle (front/back)	0	0.0	0	0	0	0	0
Avoiding vehicle (angle)	1	0.0	0	0	0	0	1
Driverless moving	0	0.0	0	0	0	0	0
Parked	17	0.6	0	2	2	3	7
Crossing at intersection	758	26.4	21	117	233	311	60
Crossing not at intersection	797	27.8	62	200	263	223	34
Getting on/off vehicle	49	1.7	1	11	12	17	6
In roadway with traffic	160	5.6	19	25	50	52	12
In roadway against traffic	64	2.2	6	12	21	20	3
Standing or lying in roadway	91	3.2	15	24	19	27	6
Pushing/working on vehicle	52	1.8	1	18	20	10	2
Other working in roadway	36	1.3	4	9	7	16	0
Playing in roadway	58	2.0	0	10	24	20	3
In roadway other reason	165	5.8	10	37	55	54	8
Not in roadway	159	5.5	13	44	48	43	7
Other	110	3.8	2	22	38	40	5
Unknown	189	6.6	11	39	39	60	17
Avoid Animal	1	0.0	0	0	0	1	0
TOTAL	2,868*	100.0	168	593	881	950	198

* Includes 78 pedestrians with unknown injury severity

MOST HARMFUL EVENT

MOST SEVERE OUTCOME IN CRASH

NONCOLLISION	Motor Vehicles		Fatal	Injury			PDO
	Number of Vehicles	% of Total		A	B	C	
Loss of control	4,948	0.7	3	149	378	700	3,718
Cross center/median	960	0.1	3	33	63	130	731
Ran off road left	968	0.1	0	29	82	111	746
Ran off road right	1,767	0.2	1	33	105	229	1,399
Re-enter road	150	0.0	1	6	11	20	112
Overturn	9,254	1.3	125	747	1,724	2,016	4,642
Separation of units	1,324	0.2	4	27	53	187	1,053
Fire/explosion	820	0.1	9	17	18	66	710
Immersion	67	0.0	2	3	1	9	52
Jackknife	438	0.1	0	8	7	32	391
Downhill runaway	69	0.0	0	0	5	9	55
Cargo loss/shift	897	0.1	0	8	19	47	823
Individual fell off	460	0.1	17	97	171	83	92
Other noncollision	2,227	0.3	2	44	137	198	1,846
NONCOLLISION Subtotal	24,349	3.3	167	1,201	2,774	3,837	16,370

MOST SEVERE OUTCOME IN CRASH

HAD A COLLISION WITH NONFIXED OBJECT	Motor Vehicles		Fatal	Injury			PDO
	Number of Vehicles	% of Total		A	B	C	
Pedestrian	2,883	0.4	166	609	872	918	318
Pedalcycle	2,480	0.3	31	235	861	802	551
Motor vehicle in transport	513,400	69.7	1,332	10,429	26,150	86,794	388,695
Parked motor vehicle	22,201	3.0	28	199	561	874	20,539
Railway train	177	0.0	12	16	22	29	98
Animal	61,851	8.4	2	74	402	848	60,525
Other nonfixed objects	6,501	0.9	8	77	203	381	5,832
COLLISION NONFIXED Subtotal	609,493	82.8	1,579	11,639	29,071	90,646	476,558

MOST HARMFUL EVENT (continued)

MOST SEVERE OUTCOME IN CRASH

HAD A COLLISION WITH FIXED OBJECT	Motor Vehicles		Fatal	Injury			PDO
	Number of Vehicles	% of Total		A	B	C	
Bridge/pier/abutment	708	0.1	6	29	56	86	531
Bridge parapet end	460	0.1	0	14	17	19	410
Bridge rail	566	0.1	0	23	31	73	439
Guardrail face	3,447	0.5	4	66	205	458	2,714
Guardrail end	564	0.1	5	26	53	83	397
Median barrier	3,350	0.5	8	99	335	631	2,277
Highway traffic sign post	2,975	0.4	5	29	62	162	2,717
Signal post	304	0.0	0	5	16	18	265
Luminaire/light support	696	0.1	3	24	58	75	536
Utility pole	3,823	0.5	21	217	483	626	2,476
Other pole	1,159	0.2	2	38	58	101	960
Culvert	709	0.1	5	56	95	103	450
Curb	2,043	0.3	3	30	99	165	1,746
Ditch	8,468	1.2	18	290	750	1,173	6,237
Embankment	2,096	0.3	9	85	215	318	1,469
Fence	1,653	0.2	5	19	58	116	1,455
Mailbox	2,514	0.3	2	20	52	80	2,360
Tree	11,580	1.6	160	824	1,626	1,732	7,238
Rail crossing signal	107	0.0	0	0	3	11	93
Building	907	0.1	10	40	130	113	614
Traffic island	54	0.0	0	1	6	2	45
Fire hydrant	598	0.1	1	11	36	63	487
Impact attenuator	50	0.0	0	1	5	13	31
Other fixed object	3,793	0.5	9	109	292	379	3,004
COLLISION FIXED Subtotal	52,624	7.1	276	2,056	4,741	6,600	38,951

MOST SEVERE OUTCOME IN CRASH

	Motor Vehicles		Fatal	Injury			PDO
	Number of Vehicles	% of Total		A	B	C	
Unknown Event	49,753	6.8	40	969	2,225	6,423	40,096
TOTAL MOST HARMFUL EVENT	736,219	100.0	2,062	15,865	38,811	107,506	571,975

VEHICLE DEFECTS IN CRASH INVOLVEMENT

MOST SEVERE OUTCOME IN CRASH

VEHICLE DEFECTS	Motor Vehicles		Fatal	Injury			PDO
	Number of Vehicles	% of Total		A	B	C	
Brakes							
Lights/reflectors							
Steering	Data not available for calendar year 2000 Vehicle Defects in Crash Involvement. Please refer to the preface for details.						
Tires/wheels							
Windows							
Other							
Unknown							
TOTAL	736,219		2,062	15,865	38,811	107,506	571,975

DRIVER HAZARDOUS ACTION

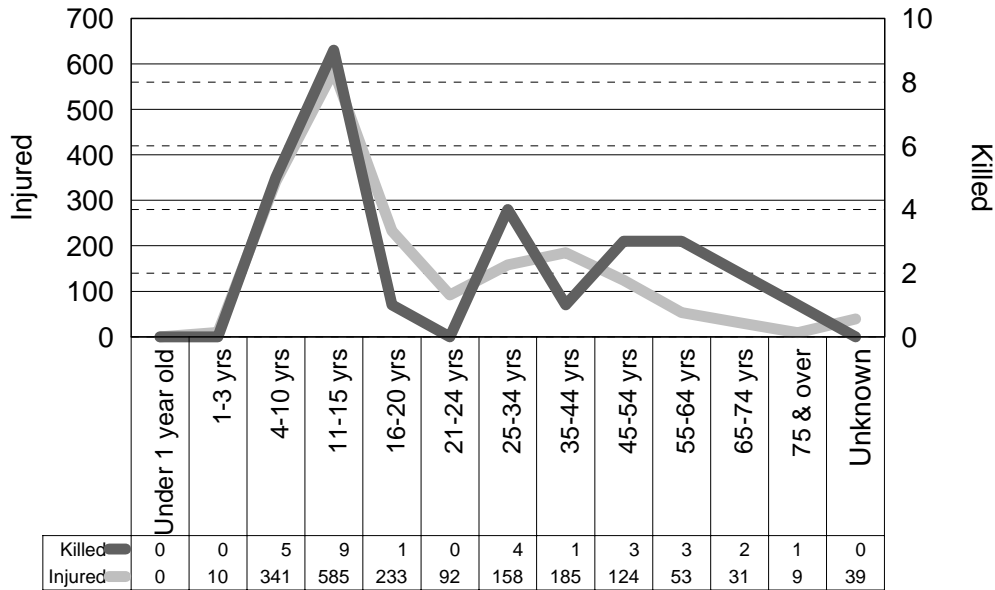
MOST SEVERE OUTCOME IN CRASH

HAZARDOUS ACTION	All Vehicles		Fatal	Injury			PDO
	Number of Vehicles	% of Total		A	B	C	
None	377,364	51.3	945	7,025	17,467	52,836	299,091
Speed too fast	42,092	5.7	244	1,520	3,606	6,250	30,472
Speed too slow	1,042	0.1	6	22	56	202	756
Failed to yield	65,196	8.9	157	1,775	4,915	11,454	46,895
Disregard traffic control	16,217	2.2	98	873	1,828	3,757	9,661
Drove wrong way	508	0.1	16	31	61	74	326
Drove left of center	4,080	0.6	91	292	427	581	2,689
Improper passing	4,844	0.7	13	81	156	399	4,195
Improper lane use	15,505	2.1	20	137	414	1,198	13,736
Improper turn	8,758	1.2	11	138	395	948	7,266
Improper/no signal	957	0.1	0	8	36	107	806
Improper backing	14,214	1.9	3	35	101	370	13,705
Unable to stop in assured clear distance	98,128	13.3	52	1,083	3,451	19,443	74,099
Reckless driving	2,402	0.3	24	182	317	317	1,562
Careless/Negligent driving	5,948	0.8	53	385	887	889	3,734
Other	30,018	4.1	136	1,107	2,252	3,776	22,747
Unknown	48,946	6.6	193	1,171	2,442	4,905	40,235
TOTAL	736,219	100.0	2,062	15,865	38,811	107,506	571,975



MICHIGAN BICYCLE CRASHES

2000 Bicycle Crash Information



In 2000, there were 2,271 bicyclists involved in motor vehicles crashes, with 29 bicyclists killed and 1,860 injured. The number of bicyclists killed represents a 16 percent increase from 1999.

Children under 16 years of age accounted for 14 (48.3%) of the bicycle deaths in 2000.

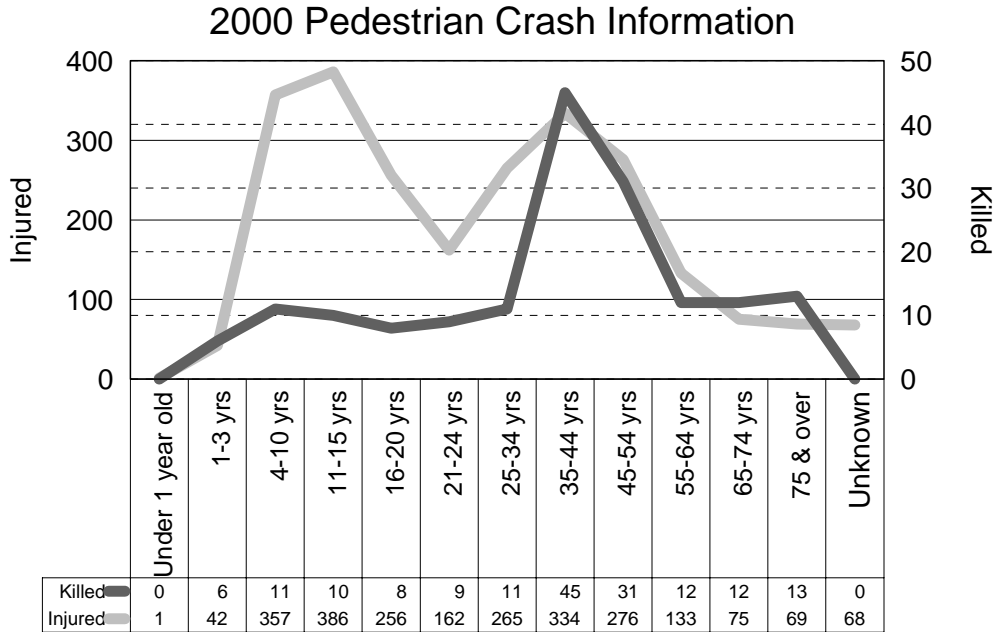
BICYCLE HELMET USE AND INJURY SEVERITY

HELMET USE	Fatality	Injury			No Injury
		A	B	C	
Worn	1	10	39	44	13
Not Worn	18	64	236	179	62
Unknown	10	149	582	557	238
TOTALS	29	223	857	780	313

The National Center for Statistics and Analysis of the National Highway Traffic Safety Administration cites a study by the Centers for Disease Control [11] in giving us the following information: "Bicycle helmets are 85 to 88 percent effective in mitigating head and brain injuries, making the use of helmets the **single most effective countermeasure** available to reduce head injuries and fatalities resulting from bicycle crashes."



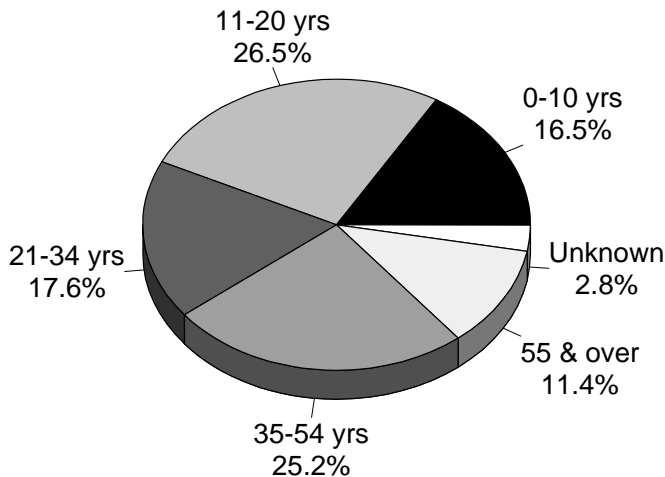
MICHIGAN PEDESTRIAN CRASHES



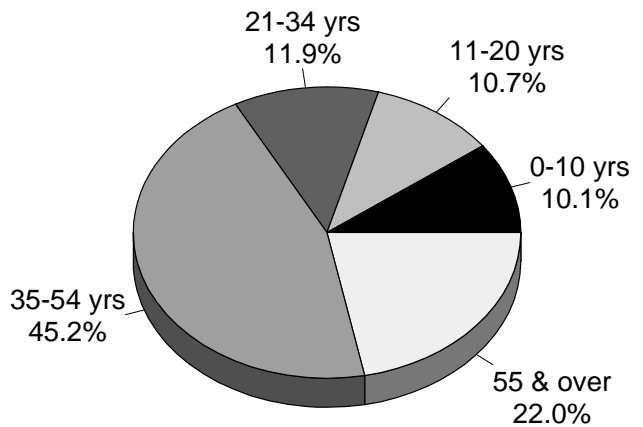
In 2000, there were 2,868 pedestrians involved in motor vehicles crashes, with 168 pedestrians killed and 2,424 injured. The number killed represents a 4.5 percent decrease in fatalities from 1999.

Children under 16 years of age accounted for 27 (16.1%) of the pedestrian deaths in 2000. Adults over the age of 54 accounted for 37 (22.0%) of the pedestrian deaths in 2000.

Pedestrians Injured



Pedestrians Killed





MICHIGAN SNOWMOBILE ON PUBLIC ROADWAY CRASHES

Most Harmful Event

MOST SEVERE OUTCOME IN CRASH

NONCOLLISION	Snowmobiles		Fatal	Injury			PDO
	Number of Snowmobiles	% of Total		A	B	C	
Loss of control	8	1.0	0	2	2	1	3
Cross center/median	3	0.4	0	2	1	0	0
Ran off road left	1	0.1	0	0	1	0	0
Ran off road right	1	0.1	0	0	0	1	0
Re-enter road	0	0.0	0	0	0	0	0
Overturn	44	5.4	0	9	14	11	10
Separation of units	4	0.5	0	0	1	1	2
Fire/explosion	3	0.4	0	1	1	1	0
Immersion	0	0.0	0	0	0	0	0
Jackknife	6	0.7	0	0	0	1	5
Downhill runaway	0	0.0	0	0	0	0	0
Cargo loss/shift	2	0.2	0	0	0	0	2
Individual fell off	31	3.8	3	12	7	8	1
Other noncollision	10	1.2	0	2	1	2	5
NONCOLLISION Subtotal	113	13.9	3	28	28	26	28

MOST SEVERE OUTCOME IN CRASH

HAD A COLLISION WITH NONFIXED OBJECT	Snowmobiles		Fatal	Injury			PDO
	Number of Snowmobiles	% of Total		A	B	C	
Pedestrian	4	0.5	0	3	0	0	1
Pedalcycle	1	0.1	0	0	1	0	0
Motor vehicle in transport	358	43.9	5	44	42	60	207
Parked motor vehicle	25	3.1	0	3	3	7	12
Railway train	0	0.0	0	0	0	0	0
Animal	32	3.9	0	0	1	3	28
Other nonfixed objects	11	1.3	0	1	4	3	3
COLLISION NONFIXED Subtotal	431	52.9	5	51	51	73	251



MICHIGAN SNOWMOBILE ON PUBLIC ROADWAY CRASHES (continued)

Most Harmful Event

MOST SEVERE OUTCOME IN CRASH

HAD A COLLISION WITH FIXED OBJECT	Snowmobiles		Fatal	Injury			PDO
	Number of Snowmobiles	% of Total		A	B	C	
Bridge/pier/abutment	1	0.1	0	0	0	0	1
Bridge parapet end	0	0.0	0	0	0	0	0
Bridge rail	1	0.1	0	0	0	0	1
Guardrail face	0	0.0	0	0	0	0	0
Guardrail end	0	0.0	0	0	0	0	0
Median barrier	2	0.2	0	0	1	0	1
Highway traffic sign post	9	1.1	0	2	1	4	2
Signal post	1	0.1	0	0	0	0	1
Luminaire/light support	0	0.0	0	0	0	0	0
Utility pole	2	0.2	0	1	0	0	1
Other pole	1	0.1	0	1	0	0	0
Culvert	16	2.0	0	6	6	3	1
Curb	1	0.1	0	0	0	0	1
Ditch	19	2.3	0	8	2	4	5
Embankment	21	2.6	1	9	3	4	4
Fence	14	1.7	0	4	3	2	5
Mailbox	8	1.0	0	2	2	0	4
Tree	90	11.0	9	27	22	9	23
Rail crossing signal	0	0.0	0	0	0	0	0
Building	0	0.0	0	0	0	0	0
Traffic island	0	0.0	0	0	0	0	0
Fire hydrant	2	0.2	0	1	0	0	1
Impact attenuator	0	0.0	0	0	0	0	0
Other fixed object	26	3.2	0	4	5	7	10
COLLISION FIXED Subtotal	214	26.3	10	65	45	33	61
Unknown Event	57	7.0	1	3	8	10	35
TOTAL MOST HARMFUL EVENT	815	100.0	19	147	132	142	375

A total of 815 snowmobiles were reported in crashes on Michigan public roadways during 2000. Of these snowmobiles, 19 were involved in fatal crashes with 15 of their drivers, 2 passengers, and 1 pedestrian killed. One fatal crash involved two snowmobiles which only had one fatality.



MICHIGAN ORV/ATV ON PUBLIC ROADWAY CRASHES

Most Harmful Event

MOST SEVERE OUTCOME IN CRASH

	ORV/ATV		Fatal	Injury			PDO
	Number of ORV/ATVs	% of Total		A	B	C	
NONCOLLISION							
Loss of control	3	1.0	0	2	1	0	0
Ran off road left	2	0.6	0	0	1	0	1
Ran off road right	1	0.3	0	0	1	0	0
Overturn	43	13.8	0	18	16	6	3
Individual fell off	23	7.4	0	8	11	4	0
Other noncollision	3	1.0	0	0	3	0	0
NONCOLLISION Subtotal	75	24.1	0	28	33	10	4
HAD A COLLISION WITH NONFIXED OBJECT							
Pedestrian	5	1.6	0	2	1	1	1
Motor vehicle in transport	118	37.9	3	31	21	17	46
Parked motor vehicle	11	3.5	0	1	3	2	5
Railway Train	0	0.0	0	0	0	0	0
Animal	3	1.0	0	0	0	1	2
Other nonfixed objects	5	1.6	1	0	1	1	2
COLLISION NONFIXED Subtotal	142	45.7	4	34	26	22	56
HAD A COLLISION WITH FIXED OBJECT							
Traffic sign post	2	0.6	0	2	0	0	0
Utility pole	2	0.6	0	0	0	0	2
Other pole	1	0.3	0	0	1	0	0
Culvert	3	1.0	0	1	1	0	1
Curb	1	0.3	0	0	1	0	0
Ditch	16	5.1	0	6	2	7	1
Embankment	3	1.0	0	2	0	1	0
Fence	3	1.0	0	0	2	0	1
Mailbox	4	1.3	0	3	0	0	1
Tree	21	6.8	3	10	7	0	1
Other fixed object	12	3.9	0	2	7	2	1
COLLISION FIXED Subtotal	68	21.9	3	26	21	10	8
Unknown Event	26	8.4	0	6	6	3	11
TOTAL MOST HARMFUL EVENT	311	100.0	7	94	86	45	79

A total of 311 Off Road Vehicles/All Terrain Vehicles were reported in crashes on Michigan public roadways during 2000. Of these ORV/ATVs, 7 were involved in fatal crashes with 7 of their operators and 1 passenger killed. Three of the ORV/ATV operators had been drinking prior to their fatal collisions with trees.

MICHIGAN SNOWMOBILE ON PUBLIC ROADWAY CRASHES

MOST SEVERE OUTCOME IN CRASH

Driver Hazardous Action	Snowmobiles		Fatal	Injury			PDO
	Number of Snowmobiles	% of Total		A	B	C	
None	223	27.4	1	28	30	38	126
Speed too fast	204	25.0	7	65	46	41	45
Speed too slow	1	0.1	0	1	0	0	0
Failed to yield	77	9.4	2	9	9	15	42
Disregard traffic control	12	1.5	0	2	3	2	5
Drove wrong way	3	0.4	0	0	0	0	3
Drove left of center	6	0.7	1	1	1	0	3
Improper passing	0	0.0	0	0	0	0	0
Improper lane use	17	2.1	0	1	0	2	14
Improper turn	10	1.2	0	1	0	0	9
Improper/no signal	1	0.1	0	0	0	0	1
Improper backing	17	2.1	0	0	1	0	16
Unable to stop in assured clear distance	58	7.1	1	10	9	8	30
Reckless driving	9	1.1	0	5	0	2	2
Careless/Negligent driving	8	1.0	1	2	1	2	2
Other	95	11.7	1	12	19	19	44
Unknown	74	9.1	5	10	13	13	33
TOTAL	815	100.0	19	147	132	142	375

MICHIGAN ORV/ATV ON PUBLIC ROADWAY CRASHES

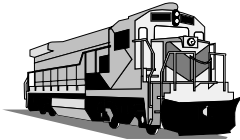
MOST SEVERE OUTCOME IN CRASH

Driver Hazardous Action	ORV/ATV		Fatal	Injury			PDO
	Number of ORV/ATVs	% of Total		A	B	C	
None	67	21.5	0	16	20	9	22
Speed too fast	48	15.4	0	24	16	4	4
Speed too slow	0	0.0	0	0	0	0	0
Failed to yield	33	10.6	0	11	3	4	15
Disregard traffic control	2	0.6	1	0	0	0	1
Drove wrong way	1	0.3	0	1	0	0	0
Drove left of center	5	1.6	0	2	1	1	1
Improper passing	1	0.3	0	0	1	0	0
Improper lane use	1	0.3	0	0	0	0	1
Improper turn	2	0.6	0	0	0	1	1
Improper/no signal	1	0.3	0	0	1	0	0
Improper backing	3	1.0	0	0	0	2	1
Unable to stop in assured clear distance	12	3.9	1	1	4	2	4
Reckless driving	12	3.9	0	3	2	3	4
Careless/Negligent driving	22	7.1	0	11	9	1	1
Other	61	19.6	4	10	22	15	10
Unknown	40	12.9	1	15	7	3	14
TOTAL	311	100.0	7	94	86	45	79



MICHIGAN FARM EQUIPMENT CRASHES

Data not available for calendar year 2000 farm equipment crashes. Please refer to the preface for details.



MICHIGAN VEHICLE - TRAIN CRASHES

A total of 125 crashes involving trains were reported in Michigan during 2000. The National Highway Traffic Safety Administration's 2000 Fatal Accident Reporting System [12] reported 13 fatal train crashes in Michigan, and 13 persons killed as a result of those collisions.

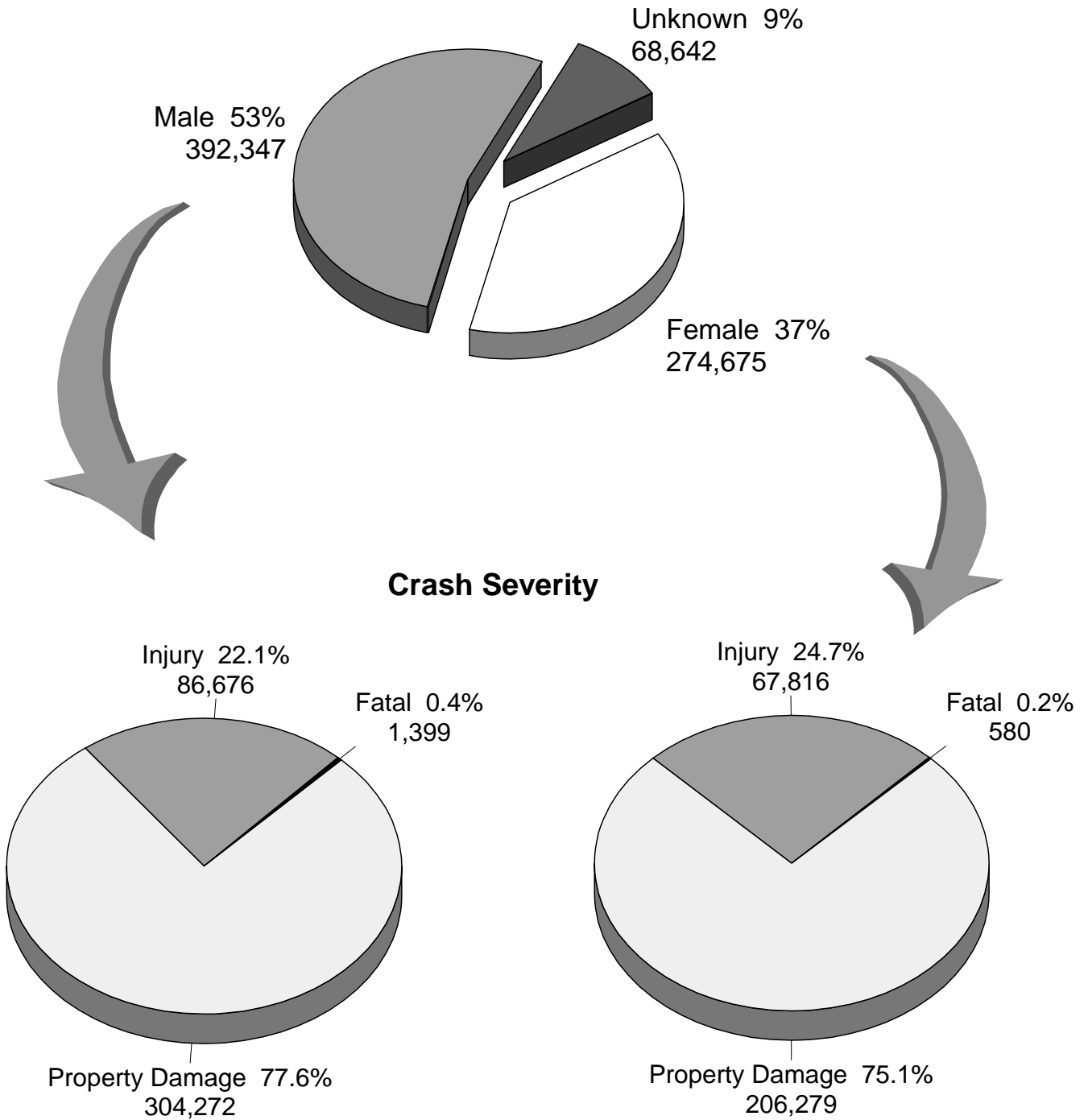


MICHIGAN MOTORCYCLE CRASHES

MOTORCYCLE DATA	1999	2000	% Change
Registrations	160,752.0	176,334.0	9.7
Crashes	2,820.0	3,180.0	12.8
Deaths	77.0	78.0	1.3
Persons Injured	2,383.0	2,541.0	6.6
Death Rate based on 10,000 motorcycle registrations	4.8	4.4	-8.3
Estimated Mileage based on 3,000 miles per motorcycle	482,256,000.0	529,002,000.0	9.7
Death Rate based on deaths per 100 million vehicle miles traveled	16.0	14.7	-8.1

Motorcycles were involved in 0.75 percent of all traffic crashes in Michigan in 2000. Injuries were proportionately more severe to motorcyclists than to persons in motor vehicles. The 2000 death rate for motorcyclists was 14.7 per 100 million vehicle miles traveled compared to the overall 1.5 mileage death rate per 100 million vehicle miles traveled.

DRIVER GENDER INFORMATION - ALL CRASHES



A higher proportion of crashes involved male drivers than female drivers. When we examine the severity of crashes involving drivers of each gender, we see that fatal crashes are more prevalent among male drivers than female drivers (0.4% vs. 0.2%).

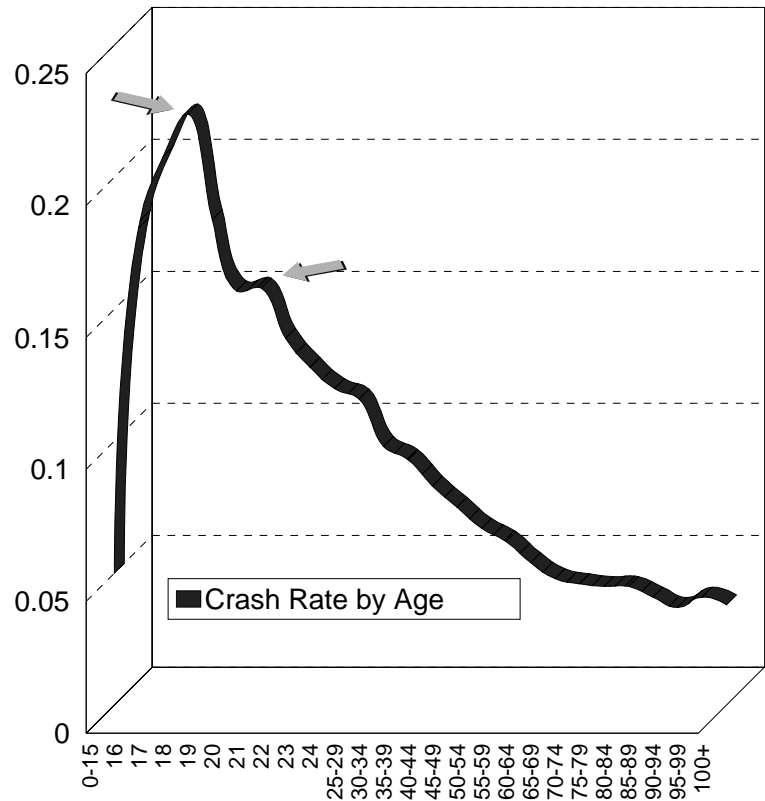
This 2000 chart was processed with numbers for all drivers (vehicle level).

**PERSON AGE:
DEMOGRAPHICS AND CRASH INVOLVEMENTS**

Age	Licensed Drivers	Michigan Population	Drivers in all crashes	Drivers in Fatal crashes	Occupants killed	Occupants injured	Bicyclist all crashes	Bicyclist fatal crashes	Pedestrian all crashes	Pedestrian fatal crashes
0-15	49,865	2,310,274	2,479	11	61	9,237	1,121	16	898	29
16	95,620	141,996	17,351	49	29	3,672	69	0	84	2
17	106,421	143,497	22,164	66	43	4,198	57	0	51	2
18	108,167	143,555	24,218	69	43	4,459	57	0	56	2
19	120,624	144,743	22,209	63	36	3,916	45	0	66	3
20	128,686	140,244	20,227	53	38	3,510	48	1	39	0
21	117,416	134,087	18,526	46	35	3,271	31	0	58	5
22	121,201	127,562	16,854	41	18	2,861	30	0	48	4
23	124,330	121,872	15,965	52	24	2,590	24	0	41	2
24	121,436	120,074	14,545	44	21	2,401	21	0	41	5
25-29	605,299	654,629	70,445	194	102	10,944	84	1	145	4
30-34	679,738	707,542	66,940	204	100	10,074	102	3	155	10
35-39	734,294	787,367	68,428	155	76	9,860	130	1	198	22
40-44	765,027	811,006	63,475	162	74	9,099	98	0	211	27
45-49	709,275	734,905	53,328	168	74	7,926	91	2	189	18
50-54	626,272	633,034	42,023	110	46	6,392	52	2	144	13
55-59	468,443	485,895	29,158	116	69	4,442	41	3	89	8
60-64	358,931	377,144	19,273	62	45	3,017	19	0	64	4
65-69	299,483	328,835	14,470	50	36	2,392	25	1	52	4
70-74	278,459	314,045	12,862	60	50	2,224	12	1	40	8
75-79	220,324	260,144	9,984	41	47	1,890	6	1	39	6
80-84	131,430	173,534	5,910	42	37	1,184	4	0	29	4
85-100+	69,671	142,460	2,797	28	42	652	1	0	19	3
Unknown	--	--	102,033	176	28	4,300	103	0	112	4
Totals	7,040,412	9,938,444	735,664	2,062	1,174	114,511	2,271	32	2,868	189

CRASH RATE PER LICENSED DRIVER BY AGE OF DRIVER IN ALL CRASHES

Age	Rate	Licensed Drivers	Drivers in all crashes
0-15	0.050	49,865	2,479
16	0.181	95,620	17,351
17	0.208	106,421	22,164
18	0.224	108,167	24,218
19	0.184	120,624	22,209
20	0.157	128,686	20,227
21	0.158	117,416	18,526
22	0.139	121,201	16,854
23	0.128	124,330	15,965
24	0.120	121,436	14,545
25-29	0.116	605,299	70,445
30-34	0.098	679,738	66,940
35-39	0.093	734,294	68,428
40-44	0.083	765,027	63,475
45-49	0.075	709,275	53,328
50-54	0.067	626,272	42,023
55-59	0.062	468,443	29,158
60-64	0.054	358,931	19,273
65-69	0.048	299,483	14,470
70-74	0.046	278,459	12,862
75-79	0.045	220,324	9,984
80-84	0.045	131,430	5,910
85-89	0.041	55,338	2,265
90-94	0.037	12,815	470
95-99	0.041	1,440	59
100+	0.038	78	3
Total		7,040,412	633,631



Drivers age 18 have the highest rate (total crashes in age group divided by total number of licensed drivers in age group) while the small peak at age 21 correlates with the beginning of legal drinking. The low crash rates of the oldest groups (per licensed driver) may reflect reduced driving and exposure to the risk of a crash relative to younger drivers.

REPORTED AGE OF DRIVERS INVOLVED IN ALL CRASHES

COUNTY	All ages	0-15 years	16-20 years	21-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 yrs & over	DOB unk
Alcona	897	4	107	65	159	190	138	111	62	27	34
Alger	745	4	97	64	107	132	115	76	37	19	94
Allegan	6,353	28	1,120	601	1,269	1,238	841	401	202	143	510
Alpena	2,087	10	427	176	304	370	286	172	117	74	151
Antrim	1,540	5	226	127	248	334	232	132	65	51	120
Arenac	1,502	4	218	119	279	332	260	96	83	36	75
Baraga	789	0	89	71	145	128	132	76	37	20	91
Barry	3,736	14	670	342	725	737	489	295	156	85	223
Bay	7,294	31	1,284	664	1,293	1,243	905	511	305	260	798
Benzie	814	5	124	57	159	154	116	77	39	19	64
Berrien	10,078	40	1,479	791	1,600	1,611	1,245	667	428	356	1,861
Branch	3,343	13	583	279	590	607	377	277	139	72	406
Calhoun	10,902	46	1,668	1,020	1,938	1,816	1,393	778	457	330	1,456
Cass	2,812	10	437	220	447	432	371	196	103	65	531
Charlevoix	1,776	6	283	142	312	351	280	145	83	52	122
Cheboygan	1,706	11	322	155	293	280	233	124	95	54	139
Chippewa	2,212	6	358	209	365	420	310	136	109	63	236
Clare	2,345	8	399	192	431	441	350	228	121	74	101
Clinton	3,665	15	656	349	643	708	551	268	132	74	269
Crawford	1,146	3	175	81	186	226	180	101	81	37	76
Delta	3,398	11	483	247	513	613	514	292	203	142	380
Dickinson	2,045	8	277	123	296	363	270	162	115	73	358
Eaton	6,830	26	1,178	656	1,172	1,243	1,020	512	268	191	564
Emmet	2,743	9	407	242	497	507	430	188	131	90	242
Genesee	29,064	107	4,466	2,619	5,480	5,253	3,793	2,018	1,235	716	3,377
Gladwin	1,379	0	207	102	270	284	211	150	68	42	45
Gogebic	945	4	128	48	116	112	88	67	52	50	280
Grand Traverse	7,200	33	1,335	610	1,184	1,383	1,053	548	326	200	528
Gratiot	2,671	7	444	258	480	466	420	222	122	99	153
Hillsdale	3,121	9	529	318	531	592	374	249	116	83	320
Houghton	2,210	7	383	226	278	327	288	169	120	89	323
Huron	2,273	9	468	212	388	394	341	174	105	81	101
Ingham	22,338	79	3,610	2,868	4,134	3,886	2,905	1,378	715	468	2,295
Ionia	4,108	22	720	395	807	767	579	285	125	101	307
Iosco	1,657	7	253	113	283	335	252	148	110	79	77
Iron	1,191	3	122	80	149	206	182	114	81	48	206
Isabella	4,679	8	1,014	689	780	733	574	332	164	102	283
Jackson	10,741	47	1,698	828	2,015	2,029	1,447	767	421	292	1,197
Kalamazoo	18,298	50	3,189	2,268	3,270	3,005	2,294	1,057	653	449	2063
Kalkaska	1,263	4	201	105	235	265	165	118	72	34	64
Kent	52,204	161	8,100	5,895	10,936	9,541	6,395	3,027	1,654	1,110	5,385
Keweenaw	123	1	17	11	14	22	16	9	7	6	20
Lake	868	2	79	73	146	199	174	73	51	24	47
Lapeer	5,443	21	1,024	461	1,078	1,131	794	379	174	105	276
Leelanau	931	2	148	64	147	170	143	67	60	29	101

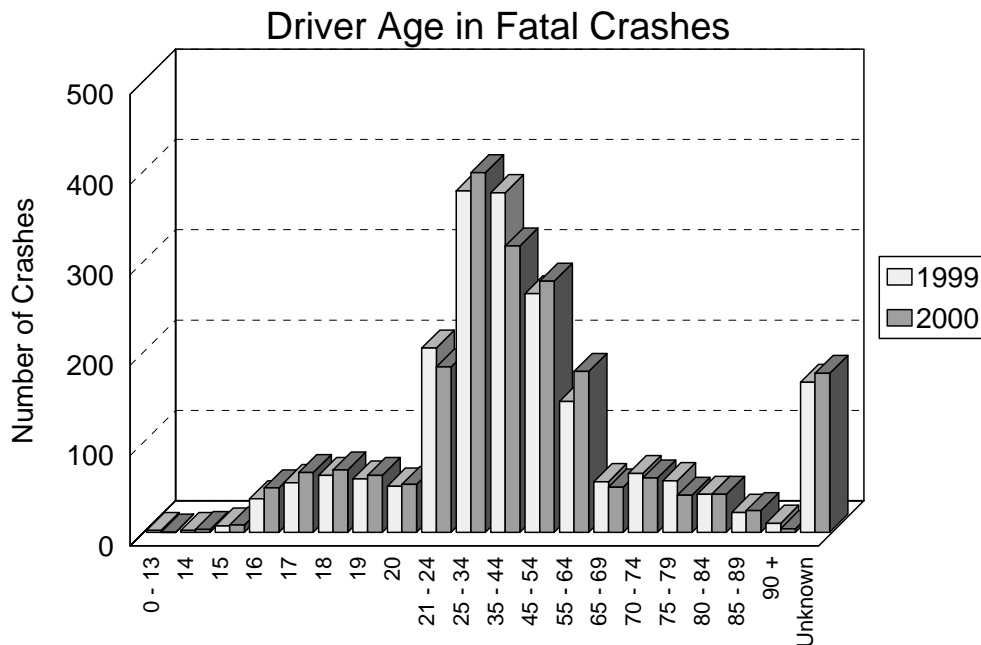
REPORTED AGE OF DRIVERS INVOLVED IN ALL CRASHES (continued)

COUNTY	All ages	0-15 years	16-20 years	21-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 yrs & over	DOB unk
Lenawee	5,669	18	1,026	452	959	897	751	426	245	167	728
Livingston	9,792	37	1,942	848	1,844	2,070	1,387	625	278	125	636
Luce	416	1	54	30	89	70	63	44	18	13	34
Mackinac	1,167	4	129	97	180	227	197	100	70	21	142
Macomb	53,862	139	8,081	4,665	10,602	10,084	6,834	3,568	2,071	1,604	6,214
Manistee	1,808	4	251	121	306	313	279	171	91	68	204
Marquette	4,280	18	741	435	630	647	604	253	190	134	628
Mason	2,536	8	411	192	410	519	379	221	118	78	200
Mecosta	3,707	7	681	477	677	660	455	313	137	91	209
Menominee	2,614	6	355	153	364	462	362	181	111	73	547
Midland	4,829	17	936	475	815	969	660	346	195	126	290
Missaukee	978	5	136	83	194	219	124	94	51	35	37
Monroe	8,264	42	1,479	646	1,226	1,323	840	449	264	191	1,804
Montcalm	4,328	18	762	428	812	888	625	313	179	101	202
Montmorency	624	7	113	61	96	126	86	47	25	26	37
Muskegon	11,101	48	1,884	950	2,042	2,006	1,547	758	530	393	943
Newaygo	2,884	15	478	261	553	600	445	206	120	78	128
Oakland	97,085	250	13,287	8,416	20,336	19,699	13,752	6,691	3,254	2,350	9,050
Oceana	1,508	8	269	143	269	305	216	99	44	37	118
Ogemaw	1,629	2	266	119	287	358	251	145	81	59	61
Ontonagon	902	5	98	50	142	160	154	81	57	28	127
Osceola	1,994	9	303	180	386	414	328	166	86	41	81
Oscoda	623	5	97	46	105	135	95	49	40	21	30
Otsego	1,695	4	326	163	291	310	256	124	71	47	103
Ottawa	14,534	48	3,106	1,631	2,709	2,514	1,671	844	447	386	1,178
Presque Isle	761	8	127	48	138	146	129	62	49	23	31
Roscommon	1,844	17	274	141	328	381	271	180	97	72	83
Saginaw	15,127	39	2,398	1,293	2,761	2,712	2,082	1,189	746	528	1,379
St. Clair	9,617	37	1,831	851	1,732	1,769	1,193	639	373	282	910
St. Joseph	3,775	19	659	363	638	617	456	238	136	98	551
Sanilac	2,152	9	360	183	390	474	307	162	103	63	101
Schoolcraft	876	3	96	67	149	143	135	76	35	39	133
Shiawassee	4,036	16	763	405	770	744	487	290	181	111	269
Tuscola	3,008	12	552	263	560	562	470	249	119	88	133
Van Buren	4,546	29	776	369	794	801	561	321	180	116	599
Washtenaw	24,071	66	3,394	2,756	4,676	4,304	3,311	1,364	649	397	3,154
Wayne	169,029	581	15,797	12,404	30,663	26,881	19,459	9,662	5,701	3,854	44,027
Wexford	3,133	12	524	275	544	574	422	236	133	70	343
UNKNOWN	1,395	6	205	115	226	244	181	77	58	43	240
Totals	735,664	2,479	106,169	65,890	137,385	131,903	95,351	48,431	27,332	18,691	102,033

DRIVER AGE

AGE OF DRIVERS IN FATAL CRASHES	1999	2000	% Change	% 2000 Fatal Crash Involvement	Percent Active Driving Population*
15 years and under	11	11	0.0	0.5	0.7
16 years	37	49	32.4	2.4	1.4
17 years	55	66	20.0	3.2	1.5
18 years	63	69	9.5	3.3	1.5
19 years	59	63	6.8	3.1	1.7
20 years	51	53	3.9	2.6	1.8
21-24 years	204	183	-10.3	8.9	6.9
25 - 34 years	378	398	5.3	19.3	18.3
35 - 44 years	376	317	-15.7	15.4	21.3
45 - 54 years	264	278	5.3	13.5	19.0
55 - 64 years	145	178	22.8	8.6	11.8
65 - 69 years	56	50	-10.7	2.4	4.3
70 - 74 years	65	60	-7.7	2.9	4.0
75 - 79 years	57	41	-28.1	2.0	3.1
80 - 84 years	42	42	0.0	2.0	1.9
85 - 89 years	22	24	9.1	1.2	0.8
90 years and over	10	4	-60.0	0.2	0.2
Unknown	166	176	6.0	8.5	---
TOTALS	2,061	2,062	0.0	100.0	100.0

* Figures courtesy of the Michigan Department of State [13]



REGISTRATION TRANSACTIONS

(Includes Original, Renewal, Correction, and Replacements)

Registration data courtesy of the Michigan Department of State [14]

COUNTY	VEHICLE										OTHER		
	Passenger	Commercial	Trailer	Motorcycle	Total Plates	Total Revenue	Watercraft	Snowmobile	Moped				
Alcona	7,519	4,001	3,221	255	14,996	881,861.24	2,690	943	66				
Alger	5,002	3,197	1,862	234	10,295	601,242.35	1,845	1,558	24				
Allegan	61,028	27,679	18,043	2,125	108,875	7,541,902.29	11,445	3,607	312				
Alpena	18,768	10,141	7,179	610	36,698	2,421,062.21	4,643	2,569	66				
Antrim	14,811	6,848	5,164	501	27,324	1,726,779.81	5,183	2,267	67				
Arenac	9,770	5,615	3,892	458	19,735	1,241,118.95	3,982	1,507	49				
Baraga	4,025	2,592	1,371	135	8,123	503,146.23	1,083	812	7				
Barry	33,464	15,802	10,722	1,429	61,417	3,747,173.08	9,160	1,790	94				
Bay	70,412	25,352	19,805	2,011	117,580	8,006,224.20	10,050	5,525	197				
Benzie	10,511	4,713	3,657	334	19,215	1,145,165.17	3,936	1,310	61				
Berrien	105,935	34,078	19,855	3,115	162,983	10,746,270.11	13,210	2,870	398				
Branch	25,224	12,618	7,854	862	46,558	3,108,050.16	6,383	882	125				
Calhoun	89,114	29,512	17,277	2,563	138,466	9,073,209.34	10,356	1,514	352				
Cass	29,804	13,646	8,624	1,112	53,186	3,257,611.69	8,544	1,870	100				
Charlevoix	16,958	7,992	5,446	688	31,084	2,090,411.42	4,959	2,773	71				
Cheboygan	15,812	8,531	5,808	611	30,762	1,996,580.54	5,574	3,390	84				
Chippewa	18,012	9,706	6,424	541	34,683	2,250,833.37	4,568	4,348	76				
Clare	18,234	9,985	6,784	617	35,620	2,261,485.63	4,687	2,208	62				
Clinton	39,347	17,059	12,101	1,169	69,676	4,808,762.23	6,660	2,636	173				
Crawford	7,628	4,025	2,904	268	14,825	895,893.05	2,919	1,534	21				
Delta	23,928	13,193	8,779	792	46,692	3,025,103.34	4,695	3,576	117				
Dickinson	16,796	8,703	5,738	733	31,970	2,127,825.54	3,693	1,895	137				
Eaton	63,500	23,817	15,251	2,070	104,638	8,257,669.24	8,752	2,346	182				
Emmet	21,109	8,873	6,053	692	36,727	2,504,430.85	5,347	2,892	105				
Genesee	275,023	86,538	48,569	7,817	417,947	29,093,303.24	32,024	12,380	539				
Gladwin	15,494	8,337	5,780	574	30,185	1,854,417.42	4,927	1,742	60				
Gogebic	9,227	4,963	2,582	324	17,096	1,007,453.14	2,368	1,438	70				
Grand Traverse	55,292	19,651	15,551	1,638	92,132	6,838,743.95	12,948	5,080	129				

REGISTRATION TRANSACTIONS (continued)

COUNTY	VEHICLE										OTHER			
	Passenger	Commercial	Trailer	Motorcycle	Total Plates	Total Revenue	Watercraft	Snowmobile	Moped					
Gratiot	23,094	11,485	7,781	757	43,117	2,800,171.78	3,469	1,656	111					
Hillsdale	26,556	14,025	8,026	991	49,598	3,148,751.19	5,164	967	118					
Houghton	18,431	8,304	4,200	658	31,593	1,902,193.49	3,822	2,391	65					
Huron	22,993	12,843	7,524	708	44,068	3,148,770.47	3,328	2,549	195					
Ingham	179,553	43,821	24,296	4,046	251,716	17,681,889.48	15,625	3,877	398					
Ionia	33,316	15,387	9,535	1,183	59,421	3,674,380.92	5,234	1,543	182					
Iosco	17,131	8,603	6,489	587	32,810	2,059,911.76	5,292	1,687	110					
Iron	7,578	4,508	2,681	304	15,071	941,856.32	2,440	1,161	40					
Isabella	29,239	13,524	8,759	891	52,413	3,893,679.76	4,694	1,880	69					
Jackson	96,287	37,499	22,454	3,342	159,582	10,701,433.41	15,793	3,335	308					
Kalamazoo	151,931	39,836	25,022	4,140	220,929	15,858,028.96	18,367	3,025	467					
Kalkaska	9,299	5,907	4,025	355	19,586	1,564,438.41	2,745	1,988	20					
Kent	377,500	106,818	71,926	9,430	565,674	48,383,347.13	45,061	10,296	968					
Keweenaw	1,159	584	291	41	2,075	121,596.26	397	152	2					
Lake	6,075	3,513	2,161	253	12,002	677,839.23	2,358	965	27					
Lapeer	50,650	26,171	15,305	2,359	94,485	6,463,745.35	7,304	4,095	108					
Leelanau	13,583	5,192	4,516	351	23,642	1,535,008.38	5,495	1,625	61					
Lenawee	59,828	26,237	14,966	2,234	103,265	6,799,397.78	9,051	2,992	296					
Livingston	98,114	37,021	24,410	4,179	163,724	12,255,585.04	18,062	5,878	182					
Luce	3,219	2,321	1,620	84	7,244	528,748.09	1,396	1,185	13					
Mackinac	6,736	3,992	2,555	201	13,484	850,391.17	3,011	2,259	32					
Macomb	546,463	142,266	65,900	13,861	768,490	61,035,563.42	48,436	16,844	1,150					
Manistee	15,228	7,343	5,309	553	28,433	1,797,537.75	3,798	1,468	74					
Marquette	37,219	16,773	9,529	1,413	64,934	4,144,119.50	7,005	4,533	132					
Mason	17,777	8,218	5,573	692	32,260	2,073,509.24	4,366	1,367	78					
Mecosta	20,659	10,076	6,841	725	38,301	2,443,716.42	5,172	1,600	46					
Menominee	13,744	7,243	4,939	521	26,447	1,701,316.12	2,779	1,524	302					
Midland	55,955	18,364	15,312	1,879	91,510	5,979,364.63	9,196	2,858	148					
Missaukee	7,625	5,112	3,375	339	16,451	1,094,769.99	2,117	1,343	24					

REGISTRATION TRANSACTIONS (continued)

COUNTY	VEHICLE										OTHER				
	Passenger	Commercial	Trailer	Motorcycle	Total Plates	Total Revenue	Watercraft	Snowmobile	Moped						
Monroe	91,027	38,398	20,231	3,627	153,283	10,861,824.33	10,828	4,501	349						
Montcalm	34,746	17,593	11,515	1,151	65,005	4,039,011.07	7,240	2,160	155						
Montmorency	6,081	3,866	2,837	197	12,981	816,026.32	2,300	1,427	21						
Muskegon	107,610	33,747	23,582	3,885	168,824	10,398,644.61	15,047	4,778	403						
Newaygo	27,310	13,877	9,804	1,073	52,064	3,145,229.98	7,113	2,637	95						
Oakland	894,309	187,905	97,395	21,597	1,201,206	101,610,679.41	82,348	22,962	1,451						
Oceana	15,593	8,197	4,568	547	28,905	1,807,878.54	3,034	1,794	86						
Ogemaw	12,723	7,416	5,207	632	25,978	1,709,549.82	3,421	1,805	45						
Ontonagon	4,446	2,927	1,719	147	9,239	540,958.00	1,163	1,172	18						
Osceola	12,939	7,535	4,577	416	25,467	1,649,014.45	2,747	1,660	38						
Oscoda	5,399	3,205	2,087	243	10,934	666,412.15	2,068	979	18						
Otsego	14,056	8,016	5,318	526	27,916	2,213,483.29	3,246	3,091	32						
Ottawa	148,525	44,486	38,372	4,228	235,611	17,267,094.31	24,193	6,190	697						
Presque Isle	8,667	5,434	3,389	250	17,740	1,122,136.75	3,029	1,807	38						
Roscommon	16,431	7,828	6,376	545	31,180	1,949,477.46	6,357	3,684	151						
Saginaw	133,415	41,668	29,539	3,230	207,852	15,038,528.43	16,337	7,414	342						
St. Clair	102,681	41,064	22,562	3,670	169,977	11,608,128.96	15,091	5,822	293						
St. Joseph	37,699	16,876	10,769	1,689	67,033	4,202,178.16	8,595	951	175						
Sanilac	25,747	14,543	7,670	1,062	49,022	3,308,512.21	2,206	1,914	73						
Schoolcraft	4,820	3,256	2,166	204	10,446	657,863.07	1,805	1,349	39						
Shiawassee	43,937	20,711	12,660	1,582	78,890	5,259,522.12	6,139	3,126	165						
Tuscola	34,612	19,002	12,044	1,310	66,968	4,170,487.64	4,811	3,291	195						
Van Buren	44,958	19,161	10,980	1,632	76,731	4,866,093.02	8,429	2,120	191						
Washtenaw	198,730	45,713	22,672	5,115	272,230	20,424,383.68	15,178	3,792	383						
Wayne	1,258,061	265,546	101,771	25,268	1,650,646	131,250,947.28	68,652	15,843	1,973						
Wexford	18,888	8,847	5,873	661	34,269	2,246,924.68	4,622	2,500	53						
Non-Resident	56,680	29,977	14,632	492	101,781	46,320,936.94	33,324	5,243	110						
Unknown County							12,279	156	5						
Totals	6,388,779	1,986,947	1,151,931	176,334	9,703,991	\$757,426,717.92	829,210	278,473	17,064						