



2008 Missouri State Highway System

Traffic Crash Statistics

Missouri State Highway System
Traffic Crash Statistics
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Chapter 1

2008 STATEWIDE TRAFFIC CRASH STATISTICS

The following summary of traffic crashes represents only those crashes that have occurred on the State Highway System of Missouri in 2008. The information contained in this publication is a summary of the crash reports provided to the Missouri Department of Transportation. This publication is possible only through the conscientious reporting efforts of Missouri Law Enforcement Agencies.

These statistics are compiled pursuant to federal law, 23 USC Section 152.

Chapter 1-A : CRASHES BY TYPE

This section divides total 2008 crashes by the type of impact severity. It further distinguishes the types by indicating whether they occurred “ON” or “OFF” the roadway.



Missouri Department of Transportation
Transportation Planning
Crashes by Type for 2008

Date: Aug 13, 2009
Time: 3:01:26 PM

Crash Type	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
ACCIDENT TYPE OFF ROAD						
RAN OFF ROAD	6	8	80	155	232	318
RAN OFF ROAD-ANIMAL OTHER THAN DEER	0	0	0	0	2	2
RAN OFF ROAD-BICYCLIST OR PEDALCYCLIST	0	0	9	10	2	11
RAN OFF ROAD-DEER	0	0	2	2	17	19
RAN OFF ROAD-FIXED OBJECT	238	260	5,970	7,647	11,525	17,733
RAN OFF ROAD-MOTOR VEHICLE IN TRAFFIC	0	0	0	0	0	0
RAN OFF ROAD-OTHER OBJECT	1	1	23	26	71	95
RAN OFF ROAD-OTHER/NONCOLLISION	1	1	48	58	206	255
RAN OFF ROAD-OVERTURNED ON ROADWAY	0	0	0	0	0	0
RAN OFF ROAD-OVERTURNING	45	50	976	1,292	806	1,827
RAN OFF ROAD-PARKED MOTOR VEHICLE	2	2	103	158	405	510
RAN OFF ROAD-PEDESTRIAN	4	4	24	30	3	31
RAN OFF ROAD-RAILROAD TRAIN	0	0	0	0	0	0
Subtotal	297	326	7,235	9,378	13,269	20,801
ACCIDENT TYPE ON ROAD						
ANIMAL OTHER THAN DEER	1	1	91	115	577	669
BICYCLIST OR PEDALCYCLIST	1	1	93	98	18	112
CHAIN REACTION REAR END	10	14	1,609	2,881	2,309	3,928
DEER	1	1	240	284	2,761	3,002
FIXED OBJECT	4	4	135	180	334	473
MOTOR VEHICLE IN TRAFFIC	241	288	10,766	16,951	34,528	45,535
OTHER NON - COLLISION	2	2	100	119	412	514
OTHER OBJECT	2	2	71	84	782	855
OVERTURNED ON ROADWAY	17	22	476	620	216	709
OVERTURNING	0	0	0	0	0	0
PARKED MOTOR VEHICLE	2	2	16	25	68	86
PEDESTRIAN	33	34	178	207	16	227
RAILROAD TRAIN	0	0	0	0	6	6
RAN OFF ROAD-MOTOR VEHICLE ON OTHER ROAD	8	9	45	85	78	131
Subtotal	322	380	13,820	21,649	42,105	56,247

This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.



Missouri Department of Transportation
Transportation Planning
Crashes by Type for 2008

Date: Aug 13, 2009
Time: 3:01:26 PM

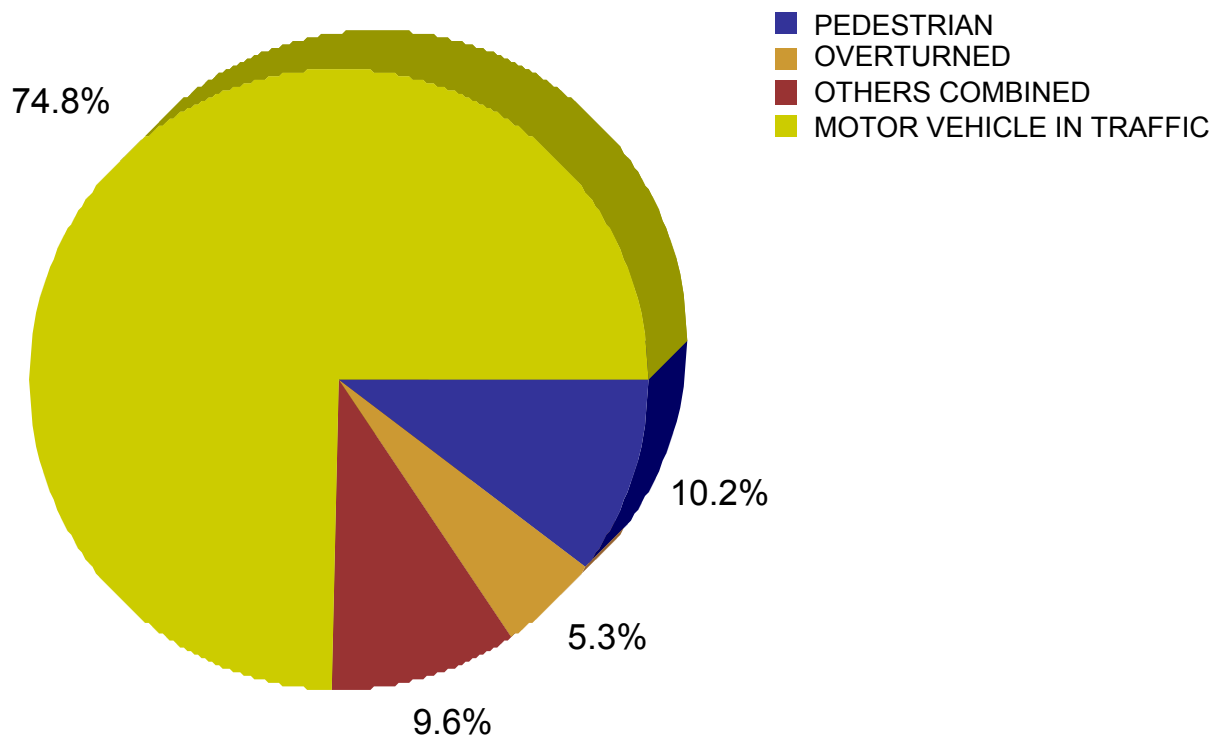
Crash Type	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
Totals	619	706	21,055	31,027	55,374	77,048



Missouri Department of Transportation
Transportation Planning
Crashes by Type for 2008
322 Fatal Crashes "ON" Roadway

Date: Aug 13, 2009
Time: 3:09:41 PM

Crash Type	Fatal Crashes
PEDESTRIAN	33
OVERTURNED	17
OTHERS COMBINED	31
MOTOR VEHICLE IN TRAFFIC	241

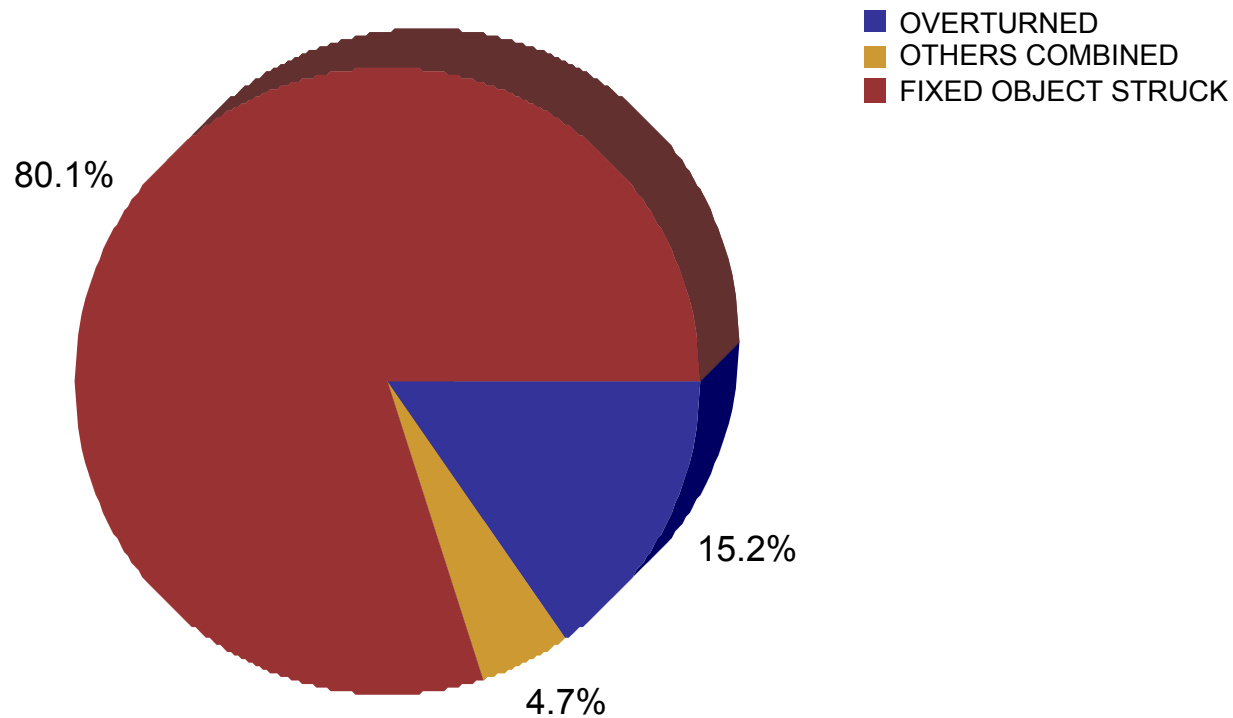




Missouri Department of Transportation
Transportation Planning
Crashes by Type for 2008
297 Fatal Crashes "OFF" Roadway

Date : Aug 13, 2009
Time : 3:07:24 PM

Crash Type	Fatal Crashes
OVERTURNED	45
OTHERS COMBINED	14
FIXED OBJECT STRUCK	238

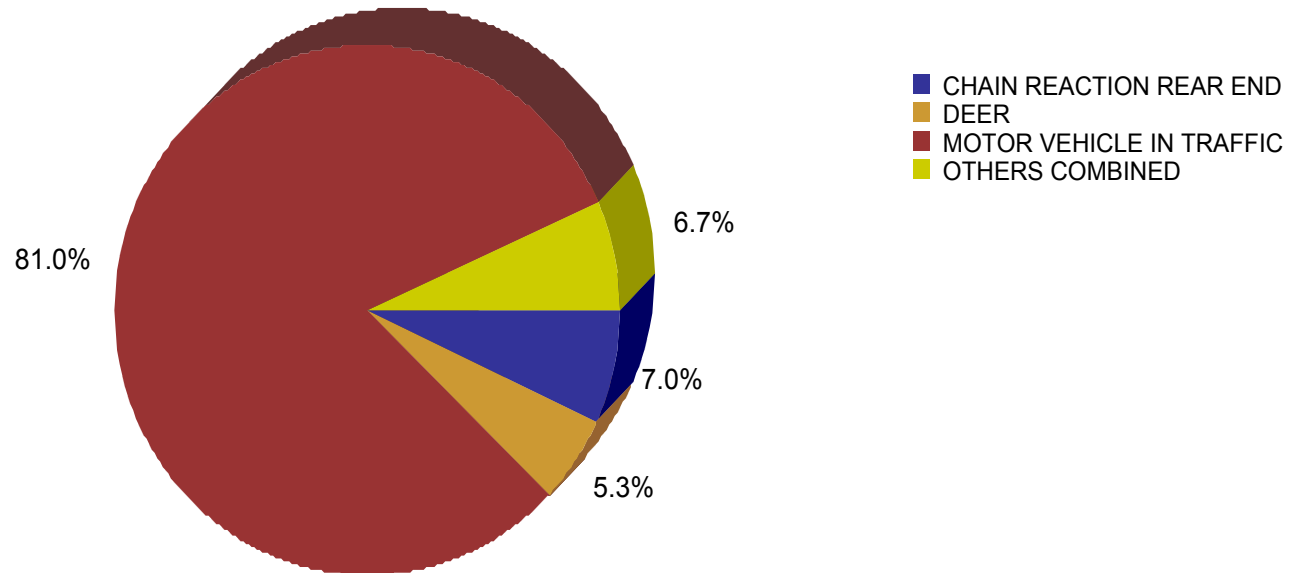




Missouri Department of Transportation
Transportation Planning
Crashes by Type for 2008
56,247 Total Crashes "ON" Roadway

Date: Aug 13, 2009
Time: 3:13:26 PM

Crash Type	Total Crashes
CHAIN REACTION REAR END	3,928
DEER	3,002
MOTOR VEHICLE IN TRAFFIC	45,535
OTHERS COMBINED	3,782

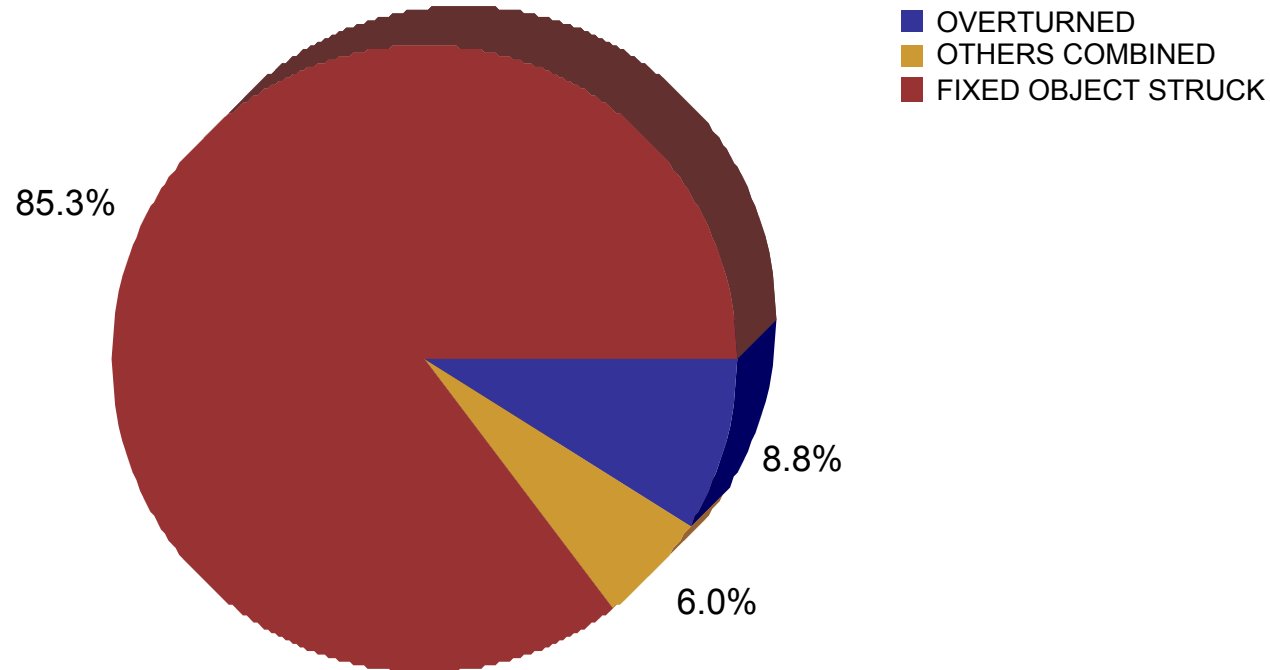




Missouri Department of Transportation
Transportation Planning
Crashes by Type for 2008
20,801 Total Crashes "OFF" Roadway

Date: Aug 13, 2009
Time: 3:11:31 PM

Crash Type	Total Crashes
OVERTURNED	1,827
OTHERS COMBINED	1,241
FIXED OBJECT STRUCK	17,733



Chapter 1-B : CRASHES BY CONTRIBUTING CIRCUMSTANCES

This section deals with the circumstances that contributed to crashes in 2008. The total number of reported crashes is somewhat less than the total number of contributing circumstances and the number of drivers because each crash could involve one or more drivers and one or more contributing circumstance.



Missouri Department of Transportation
Transportation Planning
Crashes by Contributing Circumstance for 2008

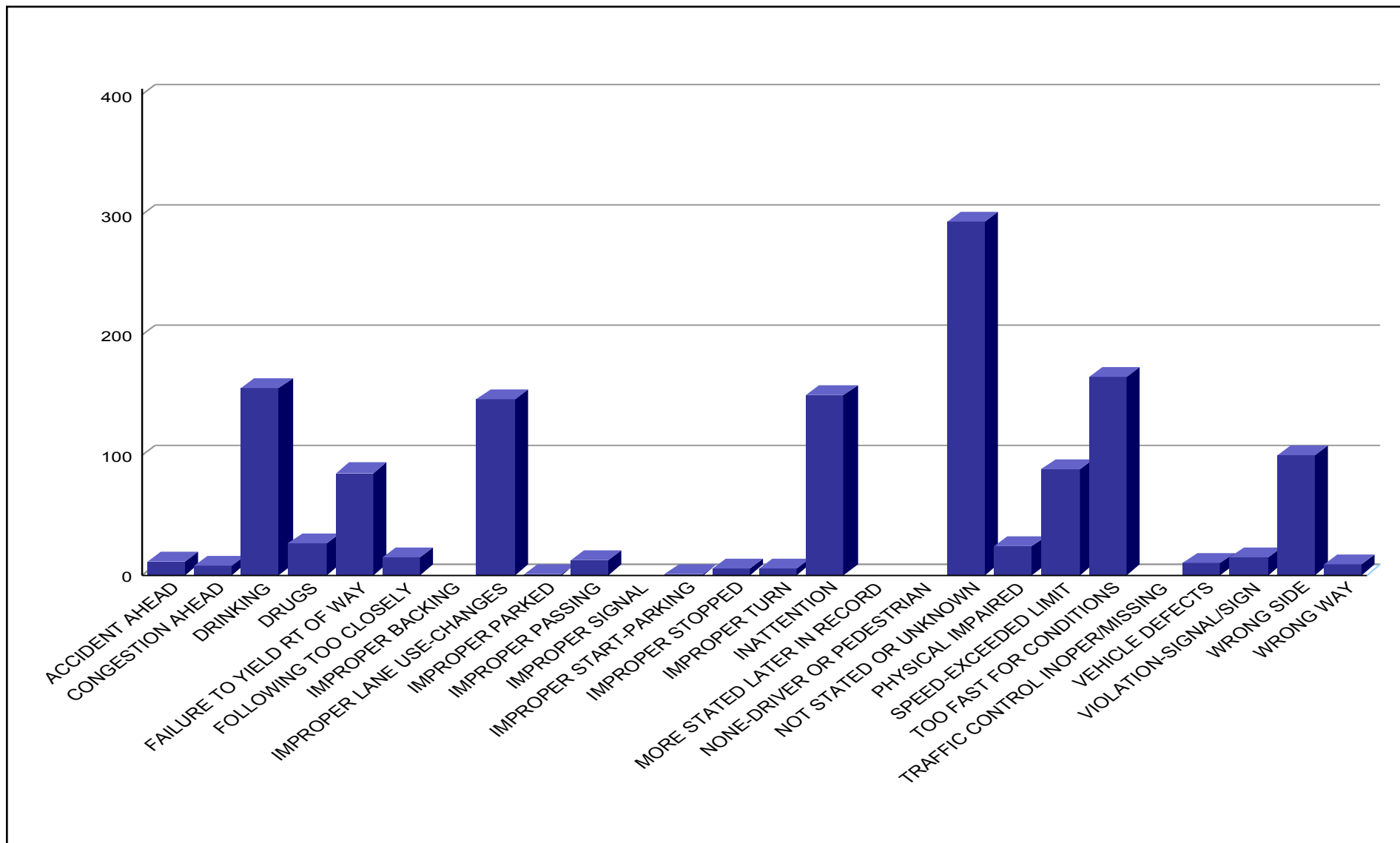
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Contributing Circumstance	Fatal Crashes	Injury Crashes	PDO Crashes	Total Crashes
ACCIDENT AHEAD	11	395	1,057	1,463
CONGESTION AHEAD	8	2,140	6,251	8,399
DRINKING	156	1,686	1,717	3,559
DRUGS	26	231	252	509
FAILURE TO YIELD RT OF WAY	85	3,445	7,017	10,547
FOLLOWING TOO CLOSELY	15	3,305	10,530	13,850
IMPROPER BACKING	0	34	502	536
IMPROPER LANE USE-CHANGES	146	2,448	6,428	9,022
IMPROPER PARKED	1	10	28	39
IMPROPER PASSING	12	293	747	1,052
IMPROPER SIGNAL	0	44	120	164
IMPROPER START-PARKING	1	21	66	88
IMPROPER STOPPED	5	121	287	413
IMPROPER TURN	5	442	1,303	1,750
INATTENTION	150	5,843	14,086	20,079
MORE STATED LATER IN RECORD	0	0	0	0
NONE-DRIVER OR PEDESTRIAN	0	0	0	0
NOT STATED OR UNKNOWN	294	11,533	35,749	47,576
PHYSICAL IMPAIRED	24	861	858	1,743
SPEED-EXCEEDED LIMIT	88	608	613	1,309
TOO FAST FOR CONDITIONS	165	4,806	10,501	15,472
TRAFFIC CONTROL INOPER/MISSING	0	13	22	35
VEHICLE DEFECTS	10	577	1,874	2,461
VIOLATION-SIGNAL/SIGN	15	914	1,369	2,298
WRONG SIDE	100	628	646	1,374
WRONG WAY	9	37	42	88
Totals	1,326	40,435	102,065	143,826
IN ACCIDENTS	619	21,055	55,374	77,048
FOR DRIVERS	960	36,875	96,376	134,211



Missouri Department of Transportation
Transportation Planning
Fatal Crashes by Contributing Circumstances for 2008
960 Drivers Involved In
619 Fatal Crashes

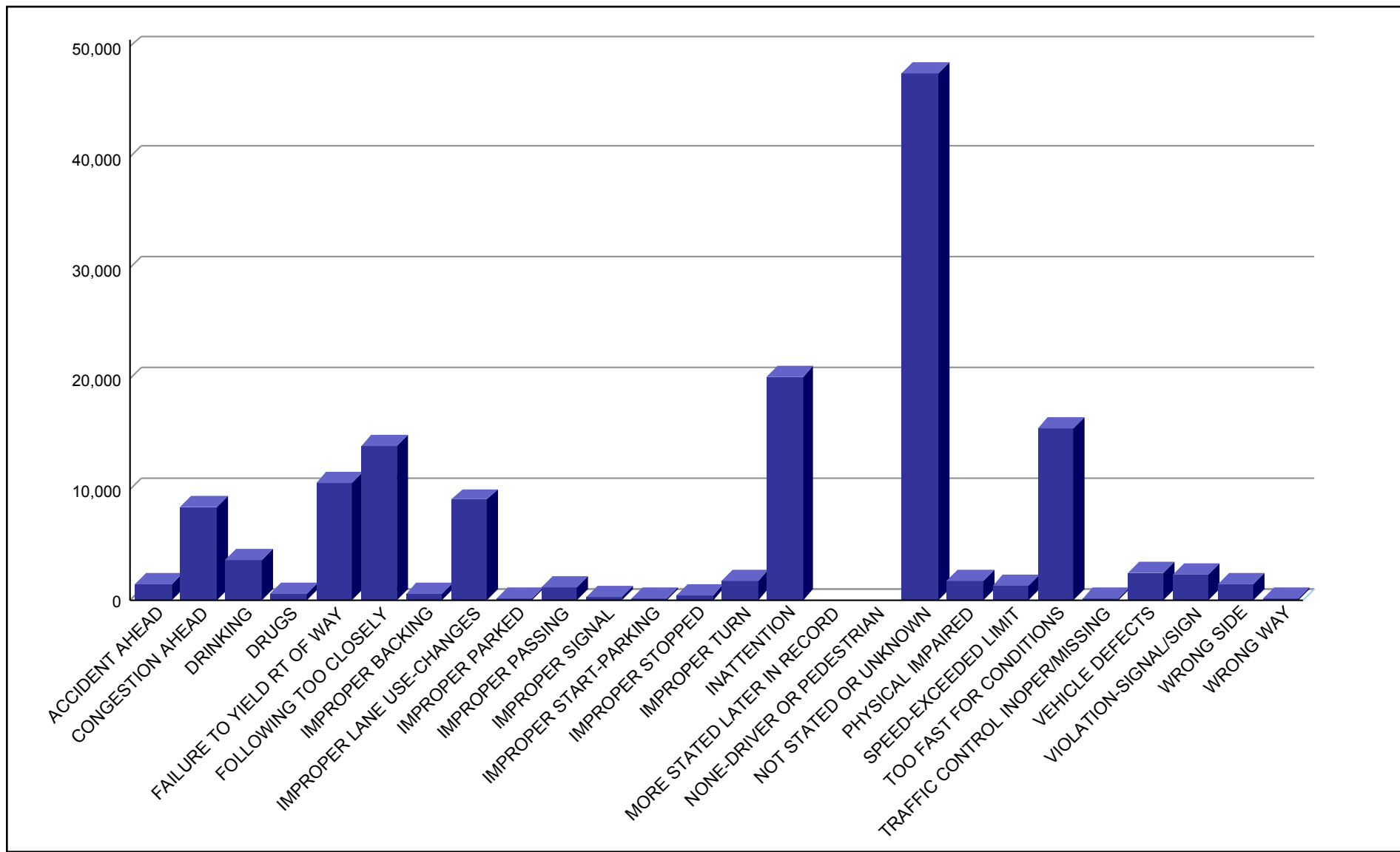
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Missouri Department of Transportation
Transportation Planning
Total Crashes by Contributing Circumstances for 2008
134,211 Drivers Involved In
77,048 Total Crashes

Date: Aug 13, 2009
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Chapter 1-C : CRASHES BY POPULATION GROUPING

In this section, crashes are grouped according to the population characteristics of their location. Four (4) categories are used: rural, urban (population 5,000 to 49,999), urbanized (population 50,000 to 199,999) and metropolitan (population 200,000 or greater).

Currently, all metropolitan crashes have been included in the urbanized grouping.



Missouri Department of Transportation
Transportation Planning
Crashes by Population Grouping for 2008

Date: Aug 13, 2009
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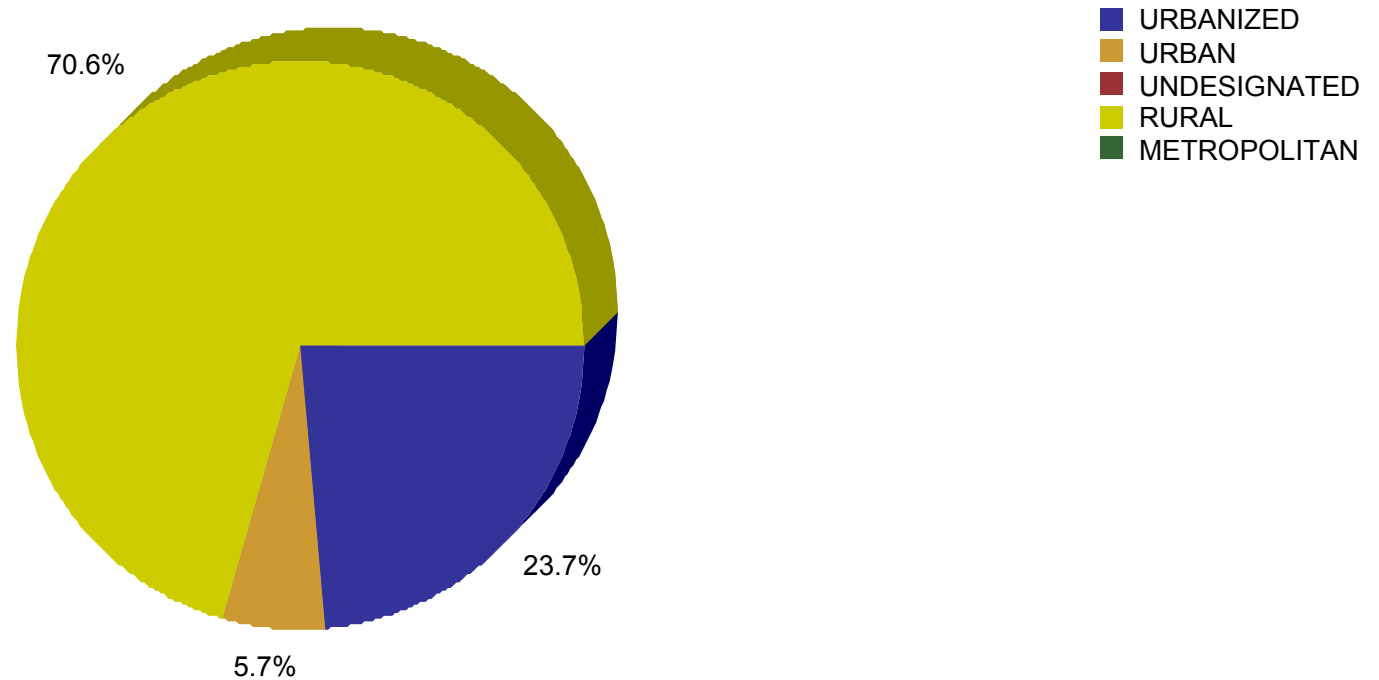
Population Grouping	Fatal Crashes	Injury Crashes	PDO Crashes	Total Crashes
METROPOLITAN	0	0	0	0
RURAL	437	8,511	17,787	26,735
UNDESIGNATED	0	0	0	0
URBAN	35	2,375	7,460	9,870
URBANIZED	147	10,169	30,127	40,443
Totals	619	21,055	55,374	77,048



Missouri Department of Transportation
Transportation Planning
Crashes by Population Grouping for 2008
619 Fatal Crashes

Date: Aug 13, 2009
Time: 3:32:15 PM

Population Grouping	Total Fatal Crashes
URBANIZED	147
URBAN	35
UNDESIGNATED	0
RURAL	437
METROPOLITAN	0

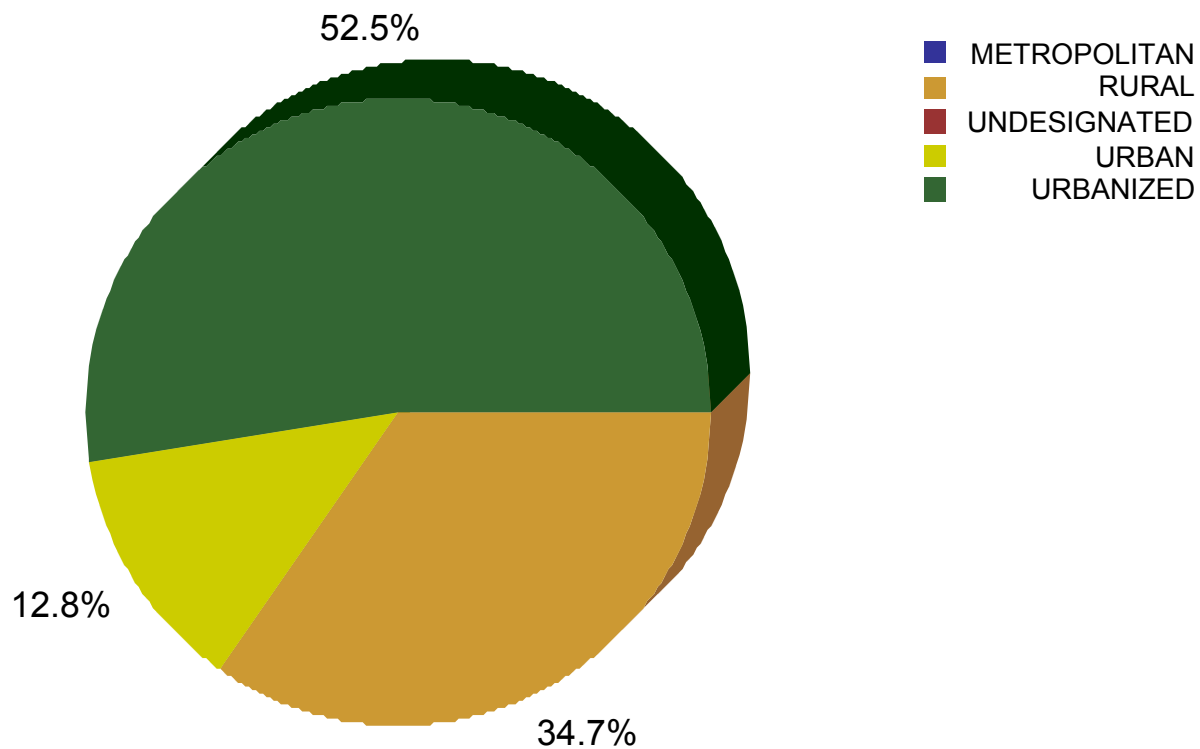




Missouri Department of Transportation
Transportation Planning
Crashes by Population Grouping for Year 2008
77,048 Total Crashes

Date: Aug 13, 2009
Time: 3:34:14 PM

Population Grouping	Total Crashes
METROPOLITAN	0
RURAL	26,735
UNDESIGNATED	0
URBAN	9,870
URBANIZED	40,443



Chapter 1-D : CRASHES BY ROUTE MARKING

In 2008, 0.79% of all crashes occurring on the Missouri Highway System resulted in a fatality and 27.08% resulted in an injury. This section separates these total crashes according to the route marking of the highways on which they occurred. In 2007, state numbered routes had the highest percentage of total crashes and the highest percentage of fatal crashes.



Missouri Department of Transportation
Transportation Planning
Crashes by Route Marking for 2008

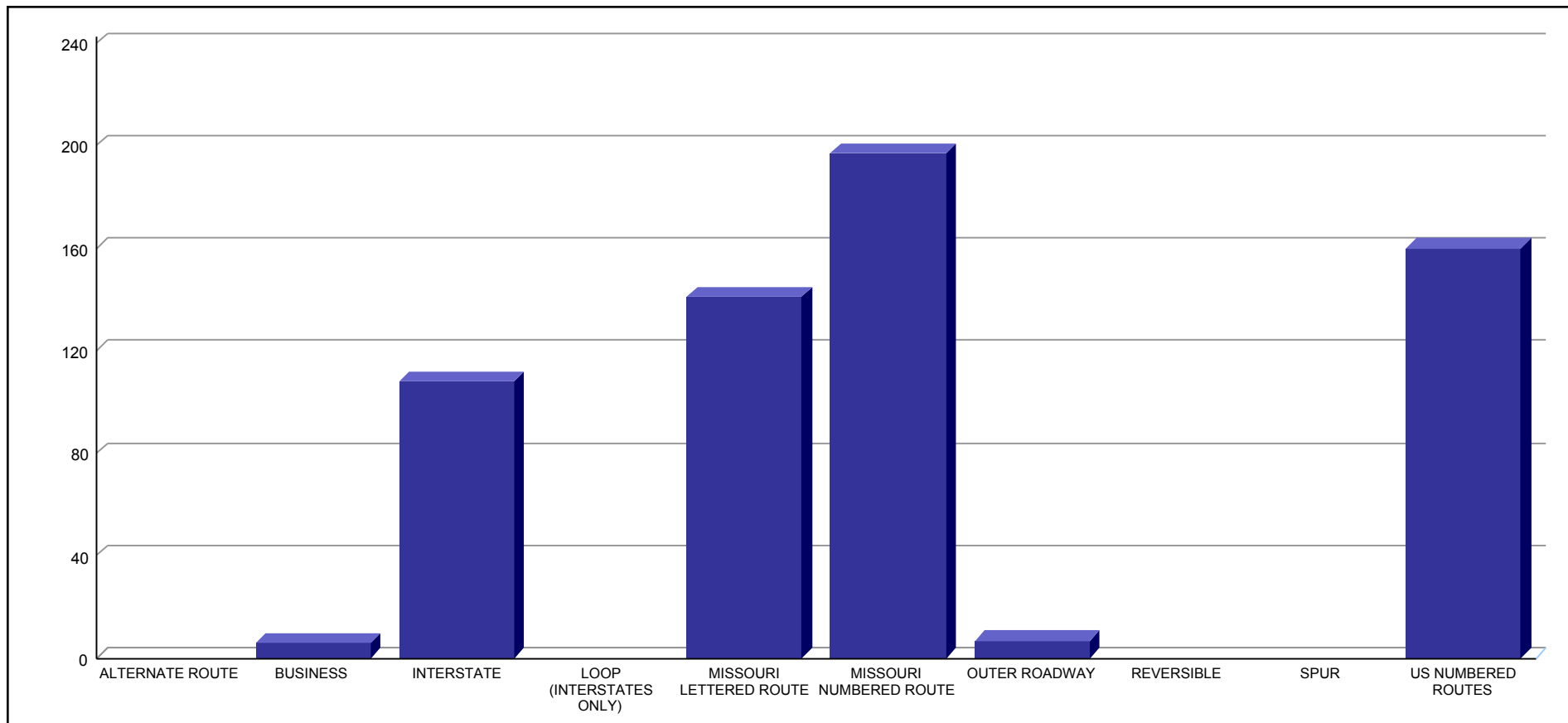
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Date: Aug 13, 2009

Route Marking Designation	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
ALTERNATE ROUTE	0	0	0	0	0	0
BUSINESS	6	6	614	908	1,745	2,365
INTERSTATE	108	118	4,292	6,129	14,732	19,132
LOOP (INTERSTATES ONLY)	0	0	204	315	502	706
MISSOURI LETTERED ROUTE	141	150	4,116	5,802	8,147	12,404
MISSOURI NUMBERED ROUTE	197	230	6,992	10,407	17,530	24,719
OUTER ROADWAY	7	8	366	554	1,196	1,569
REVERSIBLE	0	0	0	0	0	0
SPUR	0	0	24	27	78	102
US NUMBERED ROUTES	160	194	4,447	6,885	11,444	16,051
Totals	619	706	21,055	31,027	55,374	77,048



Missouri Department of Transportation
Transportation Planning
Fatal Crashes by Route Marking for 2008
619 Fatal Crashes

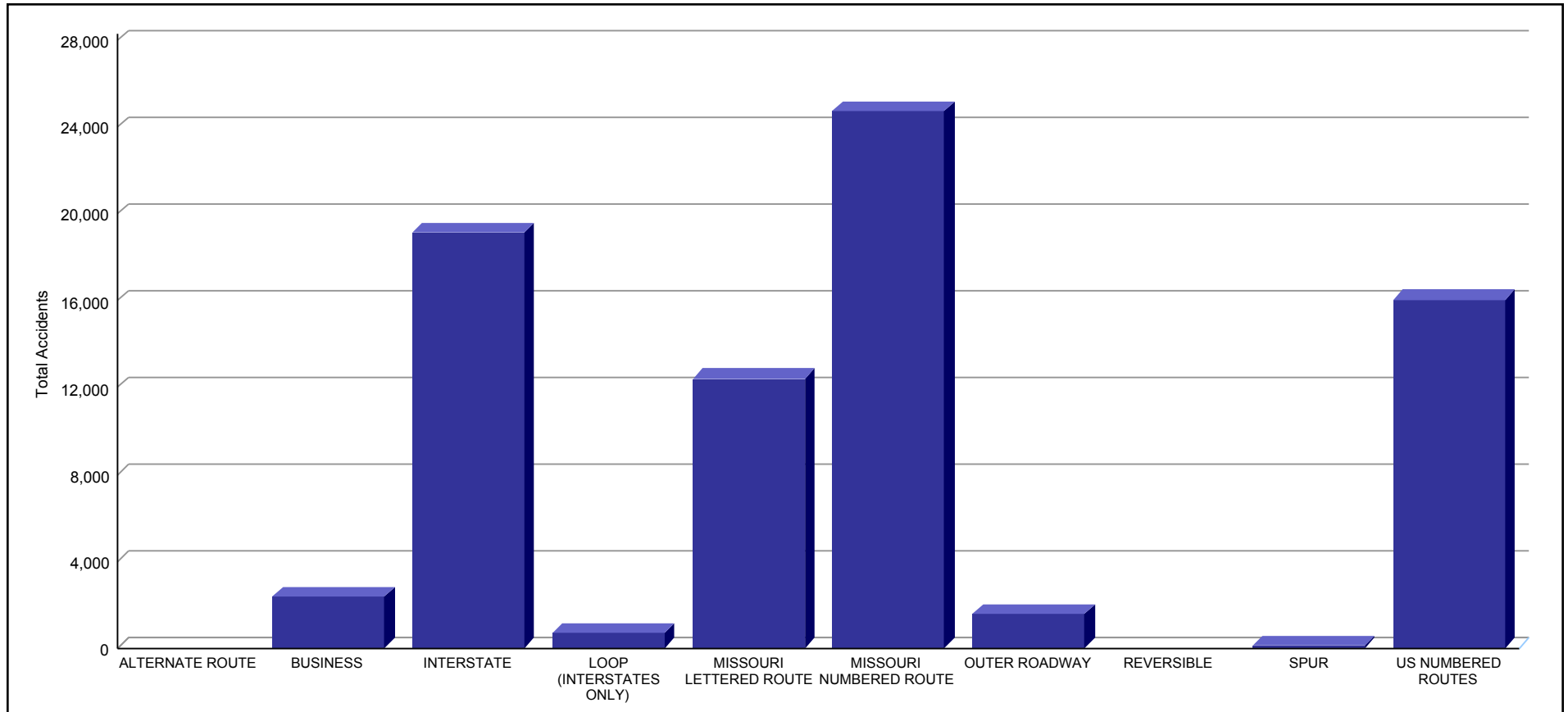
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Missouri Department of Transportation
Transportation Planning
Crashes by Route Marking for 2008
77,048 Total Crashes

Date: Aug 13, 2009
Time: 3:38:54 PM



Chapter 1- E: CRASHES BY CLASS

Out of Control crashes accounted for 38.6% of the fatal crashes for 2008. These crashes represented 24.5% of the total crashes. Rear end crashes accounted for the majority of the total crashes at 35.4%



Missouri Department of Transportation
Transportation Planning
Crashes by Class for 2008

Date : Aug 13, 2009
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Crash Class	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
ANIMAL OTHER THAN DEER	1	1	91	115	579	671
AVOIDING	1	1	228	314	331	560
BACKING	0	0	29	36	554	583
CHANGING LANE	1	1	289	428	1,335	1,625
CROSS MEDIAN	10	11	41	85	23	74
DEER	1	1	242	286	2,778	3,021
DUAL LEFTS COLLIDE	0	0	7	8	128	135
DUAL RIGHTS COLLIDE	0	0	5	6	64	69
FIXED OBJECT	4	4	135	180	334	473
HEAD ON	101	129	572	1,380	313	986
JACKKNIFE	0	0	1	1	1	2
LEFT TURN	10	12	1,410	2,309	2,437	3,857
LEFT TURN RIGHT ANGLE COLLISION	19	20	1,135	1,916	2,669	3,823
OTHER	6	6	282	338	2,415	2,703
OUT OF CONTROL	306	339	7,526	9,782	13,171	21,003
PARKING OR PARKED CAR	4	4	119	183	475	598
PASSING	10	11	504	740	4,387	4,901
PEDALCYCLE	1	1	102	108	20	123
PEDESTRIAN	37	38	202	237	19	258
REAR END	42	51	6,355	9,534	19,310	25,707
RIGHT ANGLE	52	61	1,292	2,276	1,968	3,312
RIGHT TURN	0	0	60	78	347	407
RIGHT TURN RIGHT ANGLE COLLISION	1	1	148	228	826	975
SIDESWIPE	8	9	227	368	765	1,000
TOWED UNIT DISCONNECTS	0	0	0	0	5	5
U - TURN	2	3	52	90	117	171
WRONG WAY ON DIVIDED HIGHWAY	2	2	1	1	3	6
Totals	619	706	21,055	31,027	55,374	77,048

Chapter 1-F : CRASHES BY DRIVER'S AGE

This section examines driver age in relation to crash involvement. The total number of drivers by age group consists of individuals holding a valid operators or chauffeurs license in the state of Missouri.



Missouri Department of Transportation
Transportation Planning
Crashes by Driver Age for 2008

Date: Aug 13, 2009
Time: 3:58:27 PM

Driver Age Group	Fatal Crashes	Injury Crashes	PDO Crashes	Total Crashes
15 & Under	1	84	102	187
16-20	102	5,105	12,632	17,839
21-25	105	4,784	12,388	17,277
26-30	106	3,961	10,106	14,173
31-35	76	3,096	8,089	11,261
36-40	80	3,179	8,279	11,538
41-45	81	3,167	8,039	11,287
46-50	78	3,299	8,146	11,523
51-55	82	2,757	7,102	9,941
56-60	78	2,149	5,336	7,563
61-65	48	1,604	4,120	5,772
66-70	30	1,092	2,579	3,701
71 & Over	88	1,956	5,223	7,267
Not Stated or Unknown	5	642	4,235	4,882
TOTALS	960	36,875	96,376	134,211



Missouri Department of Transportation
Transportation Planning
Crash Statistics by Driver Age for Year 2008

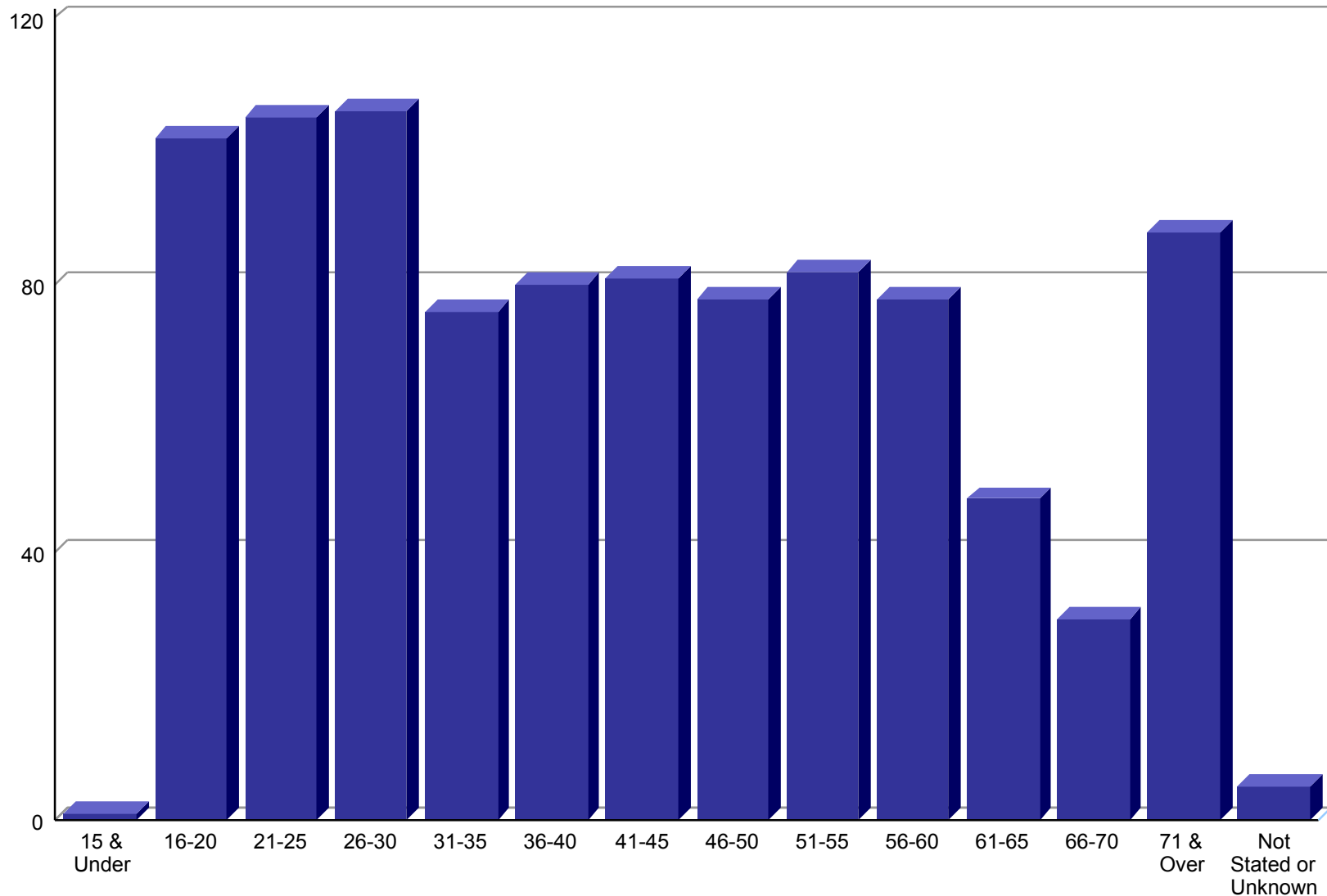
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Driver Age Group	Driver Totals	% of Total Drivers	# Drivers In Crashes	% Drivers Involved in Crashes
16 - 20	295,421	6.46%	17,839	13.31%
21 - 25	390,558	8.54%	17,277	12.89%
26 - 30	419,853	9.19%	14,173	10.57%
31 - 35	379,279	8.30%	11,261	8.40%
36 - 40	403,275	8.82%	11,538	8.61%
41 - 45	411,741	9.01%	11,287	8.42%
46 - 50	459,026	10.04%	11,523	8.60%
51-55	425,513	9.31%	9,941	7.42%
56 - 60	361,420	7.91%	7,563	5.64%
61 - 65	296,167	6.48%	5,772	4.31%
66 - 70	227,661	4.98%	3,701	2.76%
71 & Over	499,110	10.92%	7,267	5.42%
Not Stated or Unknown	1,911	0.04%	4,882	3.64%



Missouri Department of Transportation
Transportation Planning
Fatal Crashes by Drivers Age for 2008
960 Drivers Involved In
619 Fatal Crashes

Date: Aug 13, 2009
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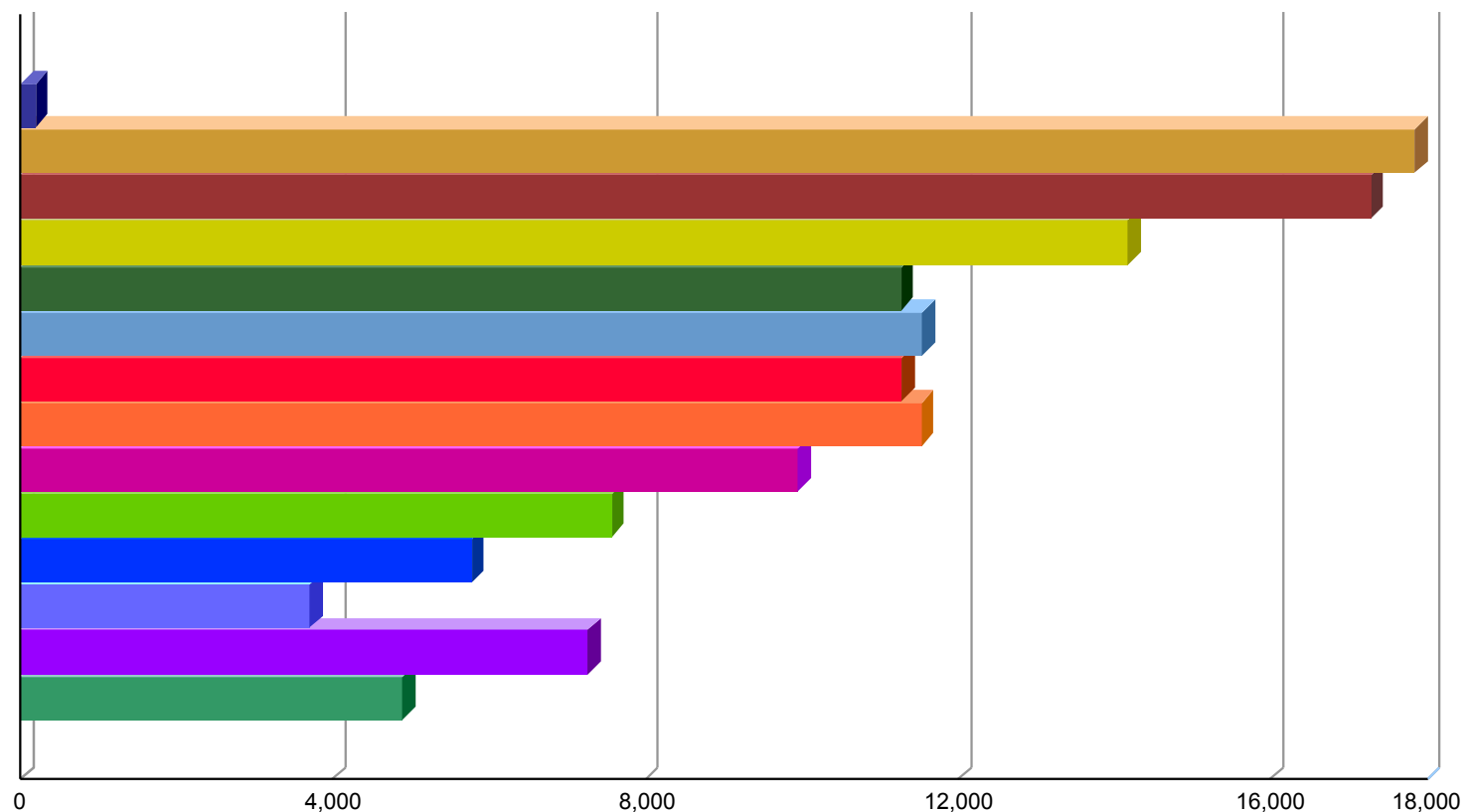




Missouri Department of Transportation
Transportation Planning
Total Crashes by Drivers Age for 2008
134,211 Drivers Involved in 77,048 Total Crashes

Date: Aug 13, 2009
Time: 4:01:03 PM

- 15 & Under
- 16-20
- 21-25
- 26-30
- 31-35
- 36-40
- 41-45
- 46-50
- 51-55
- 56-60
- 61-65
- 66-70
- 71 & Over
- Not Stated or Unknown



Chapter 1-G : CRASHES BY HOUR, DAY AND MONTH

The hour of 5:00 p.m. to 6:00 p.m. was the hour of highest percentage of total crashes. The hour of 3:00 p.m. to 4:00 p.m. was the hour of the highest percentage of fatal crashes during 2008.

Saturday was the day with the largest percentage of fatal crashes at 14.68% and Friday accounted for the highest percentage of total crashes at 18.56%.

May had the largest number of fatal crashes in 2008. October had the largest number of injury crashes and December the largest number of total crashes in 2008.



Missouri Department of Transportation
Transportation Planning
Crashes by Time of Day for 2008

Date: Aug 13, 2009
Time: 4:06:08 PM

Time of Day	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
12:00M - 12:59 AM	34	39	406	576	795	1,235
1:00 - 1:59 AM	13	13	389	533	795	1,197
2:00 - 2:59 AM	21	24	277	411	574	872
3:00 - 3:59 AM	12	13	247	320	515	774
4:00 - 4:59 AM	15	17	223	302	513	751
5:00 - 5:59 AM	18	20	359	457	911	1,288
6:00 - 6:59 AM	25	28	681	924	2,034	2,740
7:00 - 7:59 AM	23	25	1,182	1,621	3,587	4,792
8:00 - 8:59 AM	24	27	979	1,344	2,921	3,924
9:00 - 9:59 AM	11	13	859	1,211	2,316	3,186
10:00 - 10:59 AM	20	21	956	1,390	2,378	3,354
11:00 - 11:59 AM	23	26	1,130	1,678	2,916	4,069
12:00N - 12:59 PM	25	29	1,208	1,807	3,336	4,569
1:00 - 1:59 PM	36	38	1,177	1,850	3,192	4,405
2:00 - 2:59 PM	27	30	1,316	1,926	3,379	4,722
3:00 - 3:59 PM	36	47	1,747	2,626	4,499	6,282
4:00 - 4:59 PM	39	45	1,718	2,563	4,593	6,350
5:00 - 5:59 PM	33	37	1,673	2,549	4,832	6,538
6:00 - 6:59 PM	51	59	1,107	1,768	3,091	4,249
7:00 - 7:59 PM	27	30	876	1,335	2,099	3,002
8:00 - 8:59 PM	25	30	724	1,132	1,852	2,601
9:00 - 9:59 PM	24	29	696	1,049	1,685	2,405
10:00 - 10:59 PM	23	28	560	841	1,303	1,886
11:00 - 11:59 PM	22	23	519	749	1,025	1,566
NOT STATED	12	15	46	65	233	291
Totals	619	706	21,055	31,027	55,374	77,048

This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein.



Missouri Department of Transportation
Transportation Planning
Crashes by Day of Week for 2008

Date: Aug 13, 2009
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Day of Week	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
MONDAY	76	86	2,932	4,187	7,926	10,934
TUESDAY	90	105	3,202	4,539	8,896	12,188
WEDNESDAY	86	97	2,931	4,260	8,515	11,532
THURSDAY	84	95	3,239	4,692	9,152	12,475
FRIDAY	95	104	3,550	5,358	9,580	13,225
SATURDAY	95	107	2,848	4,388	6,200	9,143
SUNDAY	93	112	2,353	3,603	5,105	7,551
UNKNOWN	0	0	0	0	0	0
Totals	619	706	21,055	31,027	55,374	77,048



Missouri Department of Transportation
Transportation Planning
Crashes by Month for 2008

Date: Aug 13, 2009
Time: 4:05:24 PM

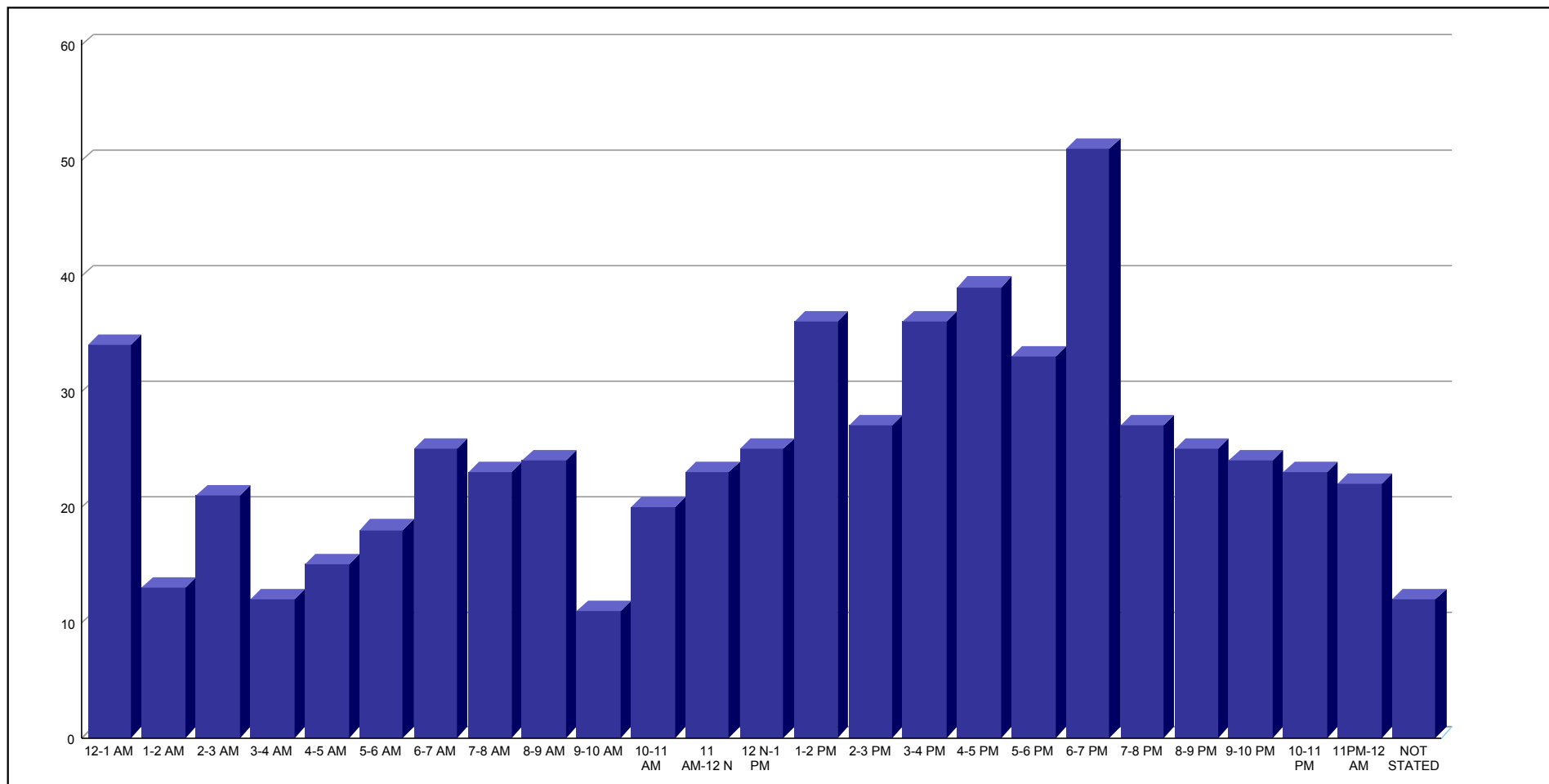
Month	Fatal Crashes	Total Fatalities	Injury Crashes	Total Injuries	PDO Crashes	Total Crashes
JANUARY	47	50	1,820	2,612	4,721	6,588
FEBRUARY	39	44	1,814	2,591	5,283	7,136
MARCH	46	53	1,494	2,112	4,167	5,707
APRIL	53	61	1,624	2,445	4,216	5,893
MAY	47	52	1,790	2,699	4,534	6,371
JUNE	48	56	1,749	2,635	4,197	5,994
JULY	58	73	1,730	2,637	4,105	5,893
AUGUST	46	49	1,744	2,543	3,988	5,778
SEPTEMBER	55	60	1,701	2,527	4,285	6,041
OCTOBER	67	79	1,799	2,638	5,039	6,905
NOVEMBER	59	66	1,763	2,666	4,988	6,810
DECEMBER	54	63	2,027	2,922	5,851	7,932
Totals	619	706	21,055	31,027	55,374	77,048



Missouri Department of Transportation
Transportation Planning
Fatal Crashes by Time of Day for 2008
619 Fatal Crashes

Date: Aug 13, 2009
Time: 4:09:44 PM

12-1 AM	1-2 AM	2-3 AM	3-4 AM	4-5 AM	5-6 AM	6-7 AM	7-8 AM	8-9 AM	9-10 AM	10-11 AM	11 AM-12 N	12 N-1 PM	1-2 PM	2-3 PM	3-4 PM	4-5 PM	5-6 PM	6-7 PM	7-8 PM	8-9 PM	9-10 PM	10-11 PM	11PM-12 AM	NOT STATED
34	13	21	12	15	18	25	23	24	11	20	23	25	36	27	36	39	33	51	27	25	24	23	22	12

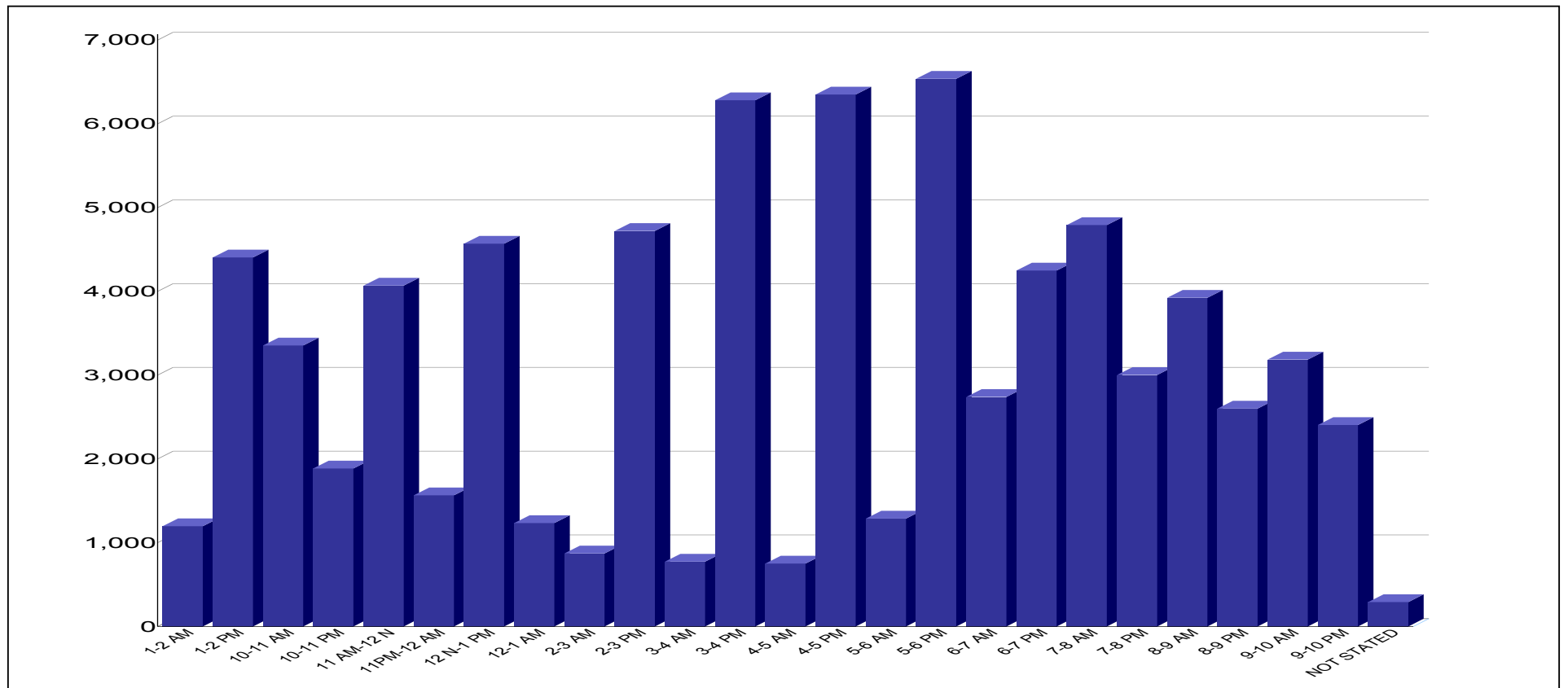




Missouri Department of Transportation
Transportation Planning
Total Crashes by Time of Day for 2008
77,048 Total Crashes

Date: Aug 13, 2009
Time: 4:13:32 PM

12-1 AM	1-2 AM	2-3 AM	3-4 AM	4-5 AM	5-6 AM	6-7 AM	7-8 AM	8-9 AM	9-10 AM	10-11 AM	11 AM-12 N	12 N-1 PM	1-2 PM	2-3 PM	3-4 PM	4-5 PM	5-6 PM	6-7 PM	7-8 PM	8-9 PM	9-10 PM	10-11 PM	11PM-12 AM	NOT STATED
1,235	1,197	872	774	751	1,288	2,740	4,792	3,924	3,186	3,354	4,069	4,569	4,405	4,722	6,282	6,350	6,538	4,249	3,002	2,601	2,405	1,886	1,566	291





Missouri Department of Transportation
Transportation Planning
Fatal Crashes by Day of Week for 2008
619 Fatal Crashes

Date: Aug 13, 2009
Time: 4:07:09 PM

MON	TUE	WED	THU	FRI	SAT	SUN	UNK
76	90	86	84	95	95	93	0

