

South Carolina Crash Statistics Clock 2004



One
TRAFFIC CRASH
every 4.8 minutes

One
FATAL CRASH
every 9.3 hours

One
INJURY CRASH
every 16.2 minutes

One
PROPERTY DAMAGE CRASH
every 6.9 minutes

One
PERSON KILLED
every 8.4 hours

One
PERSON INJURED
every 10.3 minutes

One person injured or killed in
an **ALCOHOL RELATED**
crash every 2.2 hours

One fatal or injury crash with
a **DRIVER 19 OR UNDER**
every 2.0 hours

One **UNRESTRAINED**
PERSON* killed
every 15.0 hours

One **BICYCLIST**
killed
every 17.4 days

One **MOTORCYCLIST**
killed
every 4.3 days

One **PEDESTRIAN**
killed
every 4.2 days

One **CHILD UNDER 6**
seriously injured or killed
every 5.0 days

* Occupants of cars, trucks and vans only

TABLE OF CONTENTS

Part I - GENERAL INFORMATION	4
Quick Facts	5
South Carolina Ten Year Traffic Trends	6
South Carolina Traffic Collisions Since 1969	7
SC vs. US Traffic Fatality Rates	8
Traffic Collisions by Primary Contributing Factor	9-10
Traffic Collisions by First Harmful Event	11-12
Traffic Collisions by Factor and Event	13
Narrative	13
Part II - COLLISION CHARACTERISTICS	14
A. The Driver	15
South Carolina Drivers Licensed by Age and Gender	16
Age and Sex of Drivers Involved in Traffic Collisions	17
Out-of-State Drivers Involved in SC Traffic Collisions	18
Drivers Involved in Fatal Collisions	19
B. Time	20
Traffic Collisions by Time of Day	21
Traffic Collisions by Day of Week	22
Traffic Collisions by Month	23
Time, Day, Month	24
Holiday Traffic Fatalities	25-26
South Carolina Traffic Fatality Calendar	27-28
C. Location	29
Traffic Collisions by Investigating Agency Type	30
South Carolina by Highway Patrol Troops	31
Fatality and Collision Rate per Population	32
Traffic Collisions by Route Category	33
Traffic Collisions by Harmful Event Location and Junction Type	34
Traffic Collisions on Interstates	35
D. Environment	36
Traffic Collisions by Road Surface Conditions	37
Traffic Collisions by Weather Conditions	37
Traffic Collisions by Light Conditions	38
Traffic Collisions by Traffic Control Type	38
Traffic Collisions by Road Character	39
Traffic Collisions by Trafficway	39
Traffic Collisions by Work Zone Type, Location and Workers Present	40

TABLE OF CONTENTS (cont.)

E.	Units	41
	SC Motor Vehicle Registrations by County	42
	Unit Types Involved in Traffic Collisions	43
	Vehicle Use in Traffic Collisions	43
	Most Harmful Event for Units Involved in Traffic Collisions	44
	Unit Action Prior to Impact in All Traffic Collisions	45
	Traffic Collisions Involving Motorcycles	46-49
	Traffic Collisions Involving Motorized Bikes	50-51
	Traffic Collisions Involving Pedalcycles	52-53
	Traffic Collisions Involving School Buses	54-55
	Traffic Collisions Involving Pedestrians	56-57
	Traffic Collisions Involving Railway Trains	58-59
	Traffic Collisions Involving SUVs	60-61
	Traffic Collisions Involving Truck Tractors	62-63
	Traffic Collisions Involving Vans	64-65
	Traffic Collisions Involving Pickup Trucks	66-67
 Part III - COLLISION CONSEQUENCES		68
	Traffic Collision Victim Profile	69
	Traffic Injuries by Restraint Usage and Air Bag Deployment	70
	Ejection Status and/or Extrication	71
	Transported to Medical Facility - Injuries Sustained	72
	Injuries Sustained by Children Under Six Years of Age	72
	Fatalities by Seating Location	73
 Part IV - ALCOHOL AND DRUGS IN TRAFFIC COLLISIONS		74
	Alcohol Related Collisions by County	75
	Alcohol Related Collisions by Route Category	76
	DUI Collisions by - Age and Gender of Driver	77-78
	Alcohol Related Collisions by Time of Day	79
	Alcohol Related Collisions by Day of Week	80
 Part V - COUNTIES		81
	SC Motor Vehicle Traffic Collisions by County	82
	Roadway Miles and Vehicle Miles of Travel by County	83
	Traffic Collision Summaries by County	84-129
 TRAFFIC COLLISION REPORT FORM (TR-310)		130-131
 DEFINITIONS		132-133
 INDEX		134-135
 ACKNOWLEDGMENTS.....		136

Part III - Collision Consequences

The consequences of traffic collisions extend beyond those persons directly affected and are measured in both human and economic terms. The economic costs consider that portion of financial loss born by society (i.e. medical costs), property damage, lost productivity, etc. Opposite the economic losses are the intangible human costs associated with the grief and suffering that accompany a traffic death or injury. On the following pages, statistics related to estimated economic cost, traffic injuries, fatalities and restraint usage are presented. Some important observations in the 2004 data are as follows:

- ◆ Economic loss increased by 3.6% in 2004.
- ◆ Males accounted for 74% of the traffic fatalities in 2004, up from 67.9% in 2003. In 1972, males accounted for 75.3% of all traffic fatalities.
- ◆ There were 272 females who died in traffic collisions in 2004 and 774 males.
- ◆ A total of 300 persons under the age of 25 were killed in traffic collisions, accounting for nearly 29% of the total persons killed.
- ◆ There were 1,033 automobile and truck occupants totally ejected from the vehicles in which they were riding. Of these, 229, or 22.2%, were killed. Of the 260,737 occupants not ejected, 553, or 0.2%, were killed. The percentage of fatalities suffered by ejected occupants was more than 100 times that of occupants not ejected.
- ◆ In 2004, there were 10,334 children under the age of six who were occupants of a car or truck that was involved in a traffic collision. Of these, 7,044 were restrained by a child safety seat, 2,725 by some other restraint (seat belt, seat/lap combination), 374 were unrestrained and for 191 restraint usage was unknown.
- ◆ Of the 806 occupant fatalities with known restraint usage, 583 (72.3%) were not restrained, and 223 (27.7.4%) were restrained.
- ◆ More that 13% percent of those occupants not wearing a seat belt at the time of collision were severely injured of killed. This compares to less than 1.0% for those wearing a seat belt.

TRAFFIC COLLISION VICTIM PROFILE INJURIES* BY AGE AND GENDER

GENDER	AGE	NOT INJURED	POSSIBLY INJURED	NON- INCAPAC- ITATING	INCAPAC- ITATING	FATAL	TOTALS
M A L E	Under 4	2,994	457	97	10	3	3,561
	4-5	1,449	218	64	19	3	1,753
	6-9	2,379	408	117	25	2	2,931
	10-14	3,461	610	243	62	8	4,384
	15-19	16,671	2,087	913	339	80	20,090
	20-24	16,134	2,084	1,103	405	116	19,842
	25-34	22,220	2,721	1,272	511	161	26,885
	35-44	18,926	2,315	1,076	429	137	22,883
	45-54	15,285	1,830	821	361	108	18,405
	55-64	10,163	1,104	509	158	80	12,014
	65-74	5,449	579	232	75	35	6,370
	75+	3,381	385	171	47	34	4,018
	Unknown	1,743	172	48	36	7	2,006
	SUBTOTAL		120,255	14,970	6,666	2,477	774
F E M A L E	Under 4	2,874	424	90	19	6	3,413
	4-5	1,452	224	48	13	0	1,737
	6-9	2,363	448	120	36	4	2,971
	10-14	3,423	694	234	41	9	4,401
	15-19	14,353	2,716	1,017	313	36	18,435
	20-24	12,958	2,518	917	219	33	16,645
	25-34	16,843	3,389	1,096	294	40	21,662
	35-44	14,875	2,922	975	272	41	19,085
	45-54	11,671	2,439	812	245	42	15,209
	55-64	7,739	1,558	532	127	19	9,975
	65-74	4,339	814	293	82	17	5,545
	75+	2,963	515	203	47	25	3,753
	Unknown	686	138	21	18	0	863
	SUBTOTAL		96,539	18,799	6,358	1,726	272
U N K N O W N	Under 4	5	0	0	0	0	5
	4-5	5	0	0	0	0	5
	6-9	9	0	0	0	0	9
	10-14	25	0	0	0	0	25
	15-19	3	0	0	1	0	4
	20-24	3	2	0	0	0	5
	25-34	8	0	1	0	0	9
	35-44	2	2	0	0	0	4
	45-54	1	0	0	0	0	1
	55-64	2	0	0	0	0	2
	65-74	1	0	0	0	0	1
	75+	3	0	0	0	0	3
	Unknown	4,633	173	13	7	0	4,826
	SUBTOTAL		4,700	177	14	8	0
GRAND TOTAL		221,494	33,946	13,038	4,211	1,046	273,735

* See Definitions for a description of each injury type.

INJURY SEVERITY BY OCCUPANT RESTRAINT USAGE *

RESTRAINT USAGE	INJURY TYPE					TOTALS
	Not Injured	Possible Injury	Non-In-capacitating	In-capacitating	Fatal	
None Used	6,693	3,112	2,174	1,219	583	13,781
TOTAL - NO RESTRAINT USED	6,693	3,112	2,174	1,219	583	13,781
Restraint Used						
Shoulder Belt Only	1,142	299	71	29	5	1,546
Lap Belt Only	3,164	604	168	29	7	3,972
Shoulder & Lap Belt Used	188,136	25,710	8,469	1,868	208	224,391
Child Safety Seat Used	6,641	834	163	25	2	7,665
Other Restraint Used	59	6	2	1	1	69
TOTAL - RESTRAINT USED	199,142	27,453	8,873	1,952	223	237,643
UNKNOWN RESTRAINT USAGE	12,516	1,890	673	289	34	15,402
GRAND TOTAL	218,351	32,455	11,720	3,460	840	266,826

*Includes occupants seated inside the passenger compartment of automobiles, trucks, and vans only.

INJURY SEVERITY BY AIR BAG DEPLOYMENT *

AIR BAG	INJURY TYPE					TOTALS
	Not Injured	Possible Injury	Non-In-capacitating	In-capacitating	Fatal	
Air Bag Deployed - Front	7,884	3,935	2,137	771	195	14,922
Air Bag Deployed - Side	372	130	51	19	5	577
Air Bag Deployed - Both	4,081	2,165	1,286	448	97	8,077
Not Deployed	147,972	16,826	4,787	1,022	196	170,803
Deployment Unknown	5,066	8,798	3,266	1,147	318	18,595
Not Applicable	52,976	601	193	53	29	53,852
GRAND TOTAL	218,351	32,455	11,720	3,460	840	266,826

*Includes occupants seated inside the passenger compartment of automobiles, trucks, and vans only.

EJECTION STATUS AND/OR EXTRICATION*

EJECTION STATUS	LOCATION AFTER IMPACT	INJURY TYPE					TOTALS
		Not Injured	Possible Injury	Non-In-capacitating	In-capacitating	Fatal	
NOT EJECTED	Not Trapped	210,541	30,780	10,537	2,264	246	254,368
	Extricated(Mech. Means)	179	265	353	492	247	1,536
	Freed (Non-Mech.)	341	347	327	236	58	1,309
	Not Applicable	2,888	377	97	13	0	3,375
	Unknown	109	20	13	5	2	149
NOT EJECTED TOTAL		214,058	31,789	11,327	3,010	553	260,737
PARTIALLY EJECTED	Not Trapped	41	31	34	31	15	152
	Extricated(Mech. Means)	19	9	10	20	20	78
	Freed (Non-Mech.)	0	4	7	17	22	50
	Not Applicable	2	0	1	0	0	3
	Unknown	6	0	2	0	0	8
PARTIALLY EJECTED TOTAL		68	44	54	68	57	291
TOTALLY EJECTED	Not Trapped	68	140	207	294	210	919
	Extricated(Mech. Means)	0	3	1	4	4	12
	Freed (Non-Mech.)	1	4	9	11	7	32
	Not Applicable	8	9	11	23	8	59
	Unknown	1	3	2	5	0	11
TOTALLY EJECTED TOTAL		78	159	230	337	229	1,033
NOT APPLICABLE	Not Trapped	396	76	18	2	0	492
	Extricated(Mech. Means)	4	0	5	4	0	13
	Freed (Non-Mech.)	13	6	1	1	0	21
	Not Applicable	1,772	216	45	11	0	2,044
	Unknown	26	7	0	1	0	34
NOT APPLICABLE TOTAL		2,211	305	69	19	0	2,604
UNKNOWN EJECTION STATUS	Not Trapped	154	62	24	13	1	254
	Extricated(Mech. Means)	1	1	1	0	0	3
	Freed (Non-Mech.)	3	2	3	6	0	14
	Not Applicable	28	2	0	0	0	30
	Unknown	1,750	91	12	7	0	1,860
UNKNOWN TOTAL		1,936	158	40	26	1	2,161
GRAND TOTAL		218,351	32,455	11,720	3,460	840	266,826

*Includes occupants who were seated inside the passenger compartment of automobiles, trucks and vans only.

PERSONS INVOLVED IN TRAFFIC COLLISIONS TRANSPORTED TO MEDICAL FACILITY

TRANSPORTED TO MEDICAL FACILITY	INJURY TYPE					TOTALS
	Not Injured	Possible Injury	Non-Incapacitating	Incapacitating	Fatal	
YES						
Males	1,150	10,372	5,496	2,383	654	20,055
Females	1,192	13,403	5,550	1,668	234	22,047
Not Specified	11	10	2	6	0	29
YES SUBTOTAL	2,353	23,785	11,048	4,057	888	42,131
NO						
Males	118,579	4,436	1,143	88	112	124,358
Females	95,052	5,200	783	54	37	101,126
Not Specified	3,363	83	8	2	0	3,456
NO SUBTOTAL	216,994	9,719	1,934	144	149	228,940
UNKNOWN						
Males	525	162	27	6	8	728
Females	294	196	25	4	1	520
Not Specified	1,326	84	4	0	0	1,414
UNKNOWN SUBTOTAL	2,145	442	56	10	9	2,662
TOTALS	221,492	33,946	13,038	4,211	1,046	273,733

INJURIES SUSTAINED BY CHILDREN UNDER SIX YEARS OF AGE*

RESTRAINT	INJURY TYPE					TOTALS
	Not Injured	Possible Injury	Non-Incapacitating	Incapacitating	Fatal	
Child Safety Seat Used	6,093	773	152	24	2	7,044
Other Restraint Used	2,269	378	65	12	1	2,725
No Restraint Used	199	106	47	15	7	374
Unknown Restraint Usage	151	28	10	2	0	191
TOTAL	8,712	1,285	274	53	10	10,334

*Occupants of automobiles and trucks only

TRAFFIC FATALITIES BY SEATING LOCATION
MOTOR VEHICLE OCCUPANTS ONLY

