

**A Review
Of Traffic Collisions
In
Washington
1984**

WASHINGTON TRAFFIC SAFETY COMMISSION

1000 South Cherry St.
Olympia, Washington 98504
(206) 753-6197

A REVIEW OF
TRAFFIC COLLISIONS
IN
WASHINGTON
1984

Prepared by Washington Traffic Safety Commission

Source: Collision Data - Traffic Records Unit, Washington State Patrol
Roadway Data - Planning Division, Department of Transportation
License Data - Department of Licensing

A REVIEW OF TRAFFIC COLLISIONS IN WASHINGTON - 1984

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WASHINGTON TRAFFIC SAFETY COMMISSION
1000 South Cherry Street
Olympia, Washington 98504

WASHINGTON 1984
A RECAP OF TRAFFIC COLLISIONS

<u>CATEGORY</u>	<u>1984</u>	<u>CHANGE FROM 1983</u>
PERSONS KILLED	761	+ 7.9%
DEATH RATE PER 100 MILLION MILES	2.28	+ 4.6%
FATAL COLLISIONS	687	+ 8.2%
PERSONS INJURED	61,366	+ 5.2%
TOTAL REPORTED COLLISIONS	111,655	+ 4.7%
ESTIMATED ECONOMIC LOSS	\$590,000,000	+ 9.3%
MILES TRAVELED (IN MILLIONS)	33,344.0	+ 3.3%
LICENSED DRIVERS	2,973,468	+ 3.7%
REGISTERED VEHICLES	3,459,772	+ 2.6%
POPULATION	4,328,100	+ 1.0%

HIGHLIGHTS FOR 1984

DRINKING DRIVER COLLISIONS

DWI Drivers Involved in Total Collisions	9,173	- 1.0%
Ratio - DWI Per 100 Involved	7.0	1983 + 7.5
DWI Drivers Involved in Fatal Collisions	307	+18.1%
Ratio - DWI Drivers Per 100	32.5	1983 = 31.3
Had Been Drinking (In Total Collisions)	17,300	- .05%
Ratio - HBD Drivers Per 100	13.2	1983 = 13.9
Had Been Drinking (In Fatal Collisions)	370	+12.8%
Ratio - HBD Drivers Per 100	39.2	1983 = 39.4

HIGHLIGHTS FOR 1984

<u>COLLISIONS BY LOCATION</u>	<u>1984</u>	<u>CHANGE FROM 1983</u>
Interstate & Other Full Control - All	11,485	+13.4%
Interstate & Other Full Control - Fatal	69	-21.6%
Other State Routes - All Collisions	22,965	+21.8%
Other State Routes - Fatal Collisions	264	+31.3%
County Roads - All Collisions	24,620	+ 1.9%
County Roads - Fatal Collisions	235	+ 6.8%
City Streets - All Collisions	51,836	- 1.6%
City Streets - Fatal Collisions	109	- 4.4%

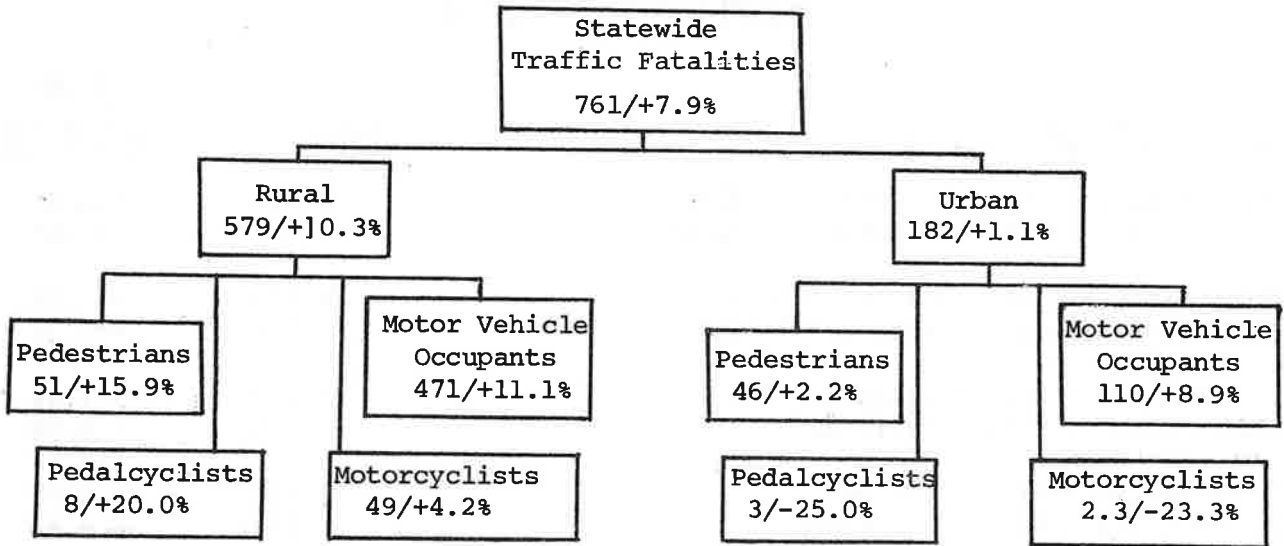
COLLISIONS BY TYPE

Collisions With Other Motor Vehicles - All	82,189	+ 5.1%
Collisions With Other Motor Vehicles - Fatal	251	+14.1%
One Car (Fixed Object-Overtuned, Etc.) - All	25,420	+ 4.9%
One Car (Fixed Object-Overtuned, Etc.) - Fatal	322	+ 4.9%
Collisions With Pedestrian - All Collisions	1,601	- 2.3%
Collisions With Pedestrian - Fatal Collisions	93	+ 4.5%
Collisions With Pedalcyclist - All Collisions	1,174	- 4.6%
Collisions With Pedalcyclist - Fatal Collisions	11	-21.4%
All Others (RR Train, Animal) - All Collisions	1,271	+ 0.6%
All Others (RR Train, Animal) - Fatal Collisions	10	+100.0%

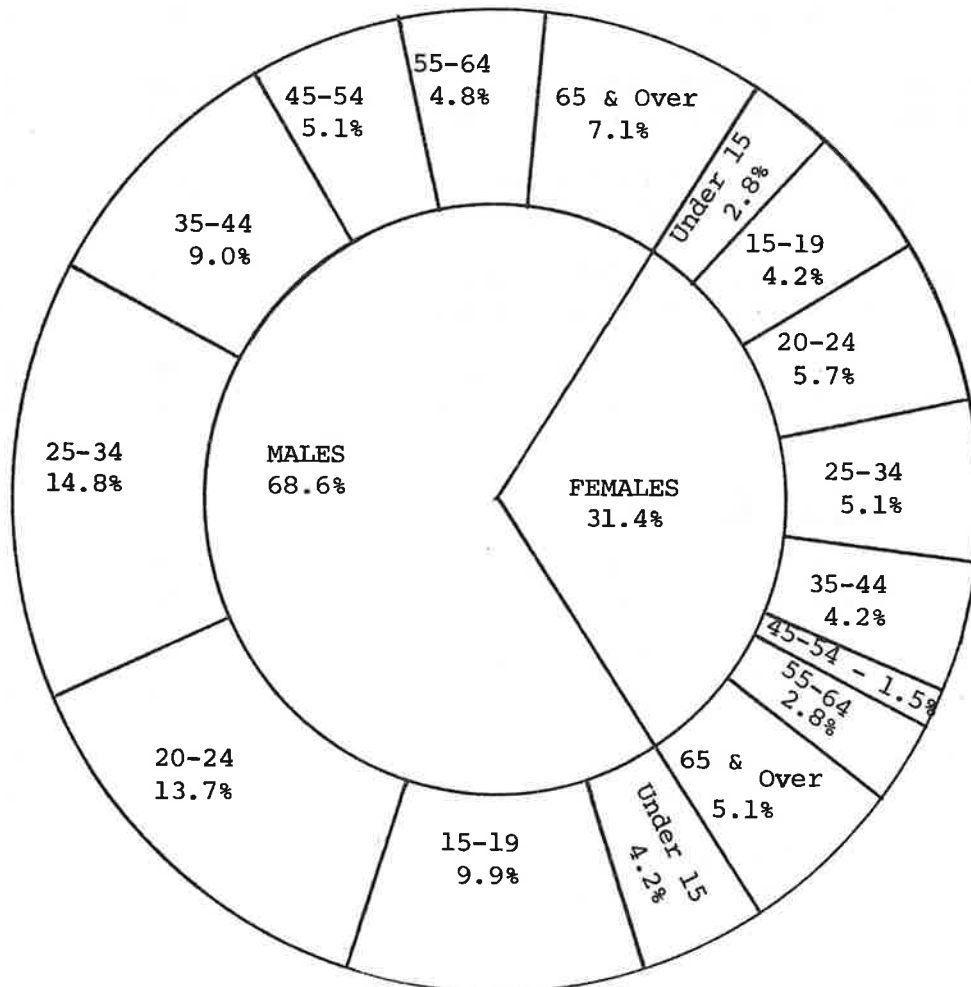
COLLISIONS BY TYPE OF VEHICLE

Passenger Cars Involved in All Collisions	142,772	+ 3.0%
Passenger Cars Involved in Fatal Collisions	591	+ 9.9%
Lightweight Trucks Involved in All Collisions	40,822	+10.0%
Lightweight Trucks Involved in Fatal Collisions	245	+18.9%
Heavy Trucks (Over 10,000) in All Collisions	7,472	+14.5%
Heavy Trucks (Over 10,000) in Fatal Collisions	87	+33.8%
Motorcycles Involved in All Collisions	3,527	+ 4.9%
Motorcycles Involved in Fatal Collisions	73	- 5.2%

TRAFFIC FATALITIES
In 1984 and
Percent of Change from 1983



TRAFFIC FATALITIES BY AGE AND SEX
1984



PERSONS KILLED AND INJURED BY AGE BY STATUS
1984

Age	Total		Occupants		Pedestrians		Pedalcyclists	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
0 - 4	14	1,087	6	992	8	75	0	19
5 - 9	17	1,583	10	1,192	6	215	1	174
10 - 14	22	2,018	12	1,460	8	194	2	360
15 - 19	107	10,369	100	9,910	6	215	1	241
20 - 24	147	11,154	138	10,862	9	167	0	122
25 - 34	151	14,079	133	13,671	18	255	0	148
35 - 44	100	8,013	89	7,848	8	126	3	35
45 - 54	50	4,409	46	4,270	4	121	0	17
55 - 64	57	3,337	45	3,237	11	89	1	8
65 - 74	47	2,126	39	2,024	6	89	2	12
75 & Older	46	1,154	32	1,071	13	80	1	2
Not Stated	3	2,037	3	1,905	0	84	0	41
TOTAL	761	61,365	653	58,442	97	1,710	11	1,179

COMPARISON OF TRAFFIC DEATHS IN WASHINGTON
BY MONTH AND ACCUMULATED TOTALS - 1982, 1983, 1984

Month	1984		1983		1982		Percent of Change 1984 to 1983	
	Month	Year To Date	Month	Year To Date	Month	Year To Date	Month	Year to Date
January	48	48	49	49	52	52	- 2.0%	- 2.0%
February	41	89	34	83	36	88	+20.6%	+ 7.2%
March	56	145	46	129	54	142	+21.7%	+12.4%
April	50	195	76	205	61	203	-34.2%	- 4.9%
May	68	263	47	252	73	276	+44.7%	+ 4.4%
June	82	345	65	317	75	351	+26.2%	+ 8.8%
July	83	428	73	390	76	427	+13.7%	+ 9.7%
August	75	503	67	457	75	502	+11.9%	+10.1%
September	63	566	64	521	92	594	- 1.6%	+ 8.6%
October	76	642	59	580	66	660	+28.8%	+10.7%
November	72	714	67	647	55	715	+ 7.5%	+10.4%
December	47	761	58	705	42	757	-19.0%	+ 7.9%

Traffic Safety Statistics
1969 - 1984

<u>Year</u>	<u>Licensed Drivers</u>	<u>Population</u>	<u>Vehicle Registration</u>	<u>Veh. Mil. (Millions)</u>	<u>Traffic Collisions</u>	<u>Traffic Injuries</u>	<u>Traffic Deaths</u>	<u>Traffic Fatality Rate*</u>
1969	1,833,232	3,397,000	2,151,691	19,957.0	103,160	47,354	834	4.18
1970	1,919,980	3,413,250	2,156,510	20,675.8	97,486	53,465	875	4.23
1971	1,965,962	3,430,100	2,231,958	21,860.0	98,956	55,099	876	4.01
1972	2,011,893	3,418,800	2,315,310	22,363.0	101,002	55,454	855	3.82
1973	2,113,460	3,424,300	2,453,880	23,457.0	105,515	58,039	776	3.31
1974	2,122,131	3,448,100	2,545,975	22,585.0	106,242	57,716	761	3.37
1975	2,176,505	3,493,990	2,640,944	24,023.0	120,635	64,145	771	3.21
1976	2,324,697	3,571,591	2,785,500	25,932.0	120,864	66,309	825	3.18
1977	2,339,215	3,661,975	2,952,383	27,449.0	119,058**	71,356	927	3.38
1978	2,485,248	3,774,300	3,042,265	29,378.0	116,923	64,669	1,006	3.42
1979	2,579,368	3,911,200	3,186,898	29,122.0	118,686	65,399	1,034	3.55
1980	2,662,659	4,109,853	3,293,065	28,696.0	113,751	61,532	985	3.43
1981	2,732,722	4,248,100	3,408,871	30,346.0	111,993	61,083	872	2.87
1982	2,774,212	4,264,000	3,313,348	30,353.0	100,644	54,789	757	2.49
1983	2,867,032	4,285,100	3,372,966	32,275.0	106,597	58,317	705	2.18
1984	2,973,468	4,328,100	3,459,772	33,344.0	111,655	61,366	761	2.28

*Traffic deaths per 100 million vehicle miles of travel

**Minimum damage for a reportable collision was increased from \$100 to \$300 to the property of one person on 7/1/77

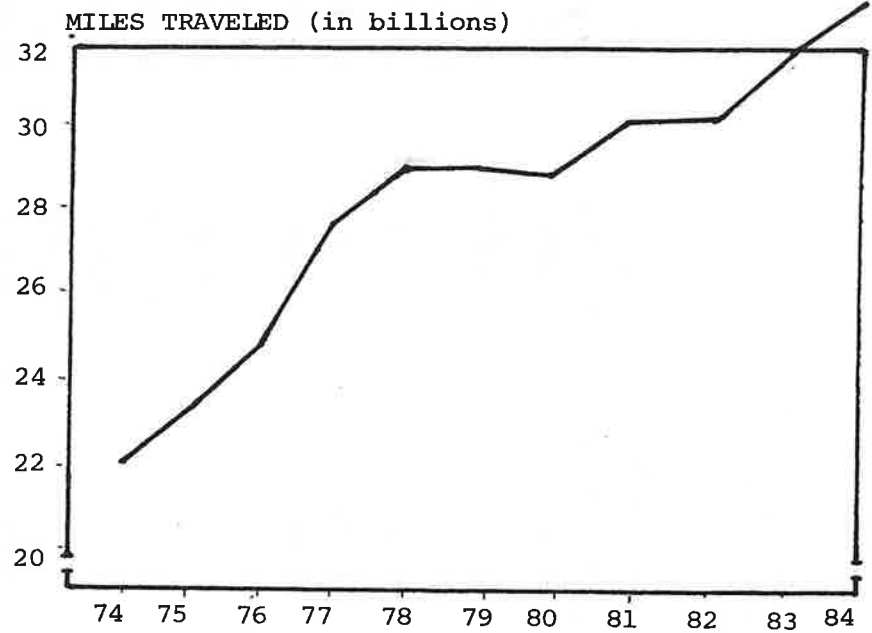
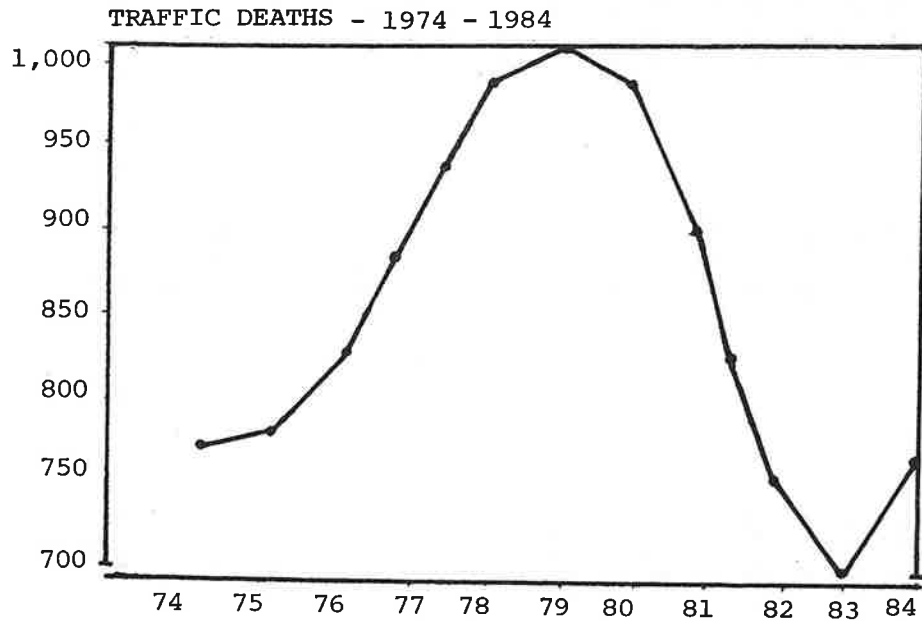
COMPARISON OF SEVERITY OF INJURY BY YEAR
1958 - 1984

Year	Traffic Deaths	Injuries			Total Injuries
		A Disabling Injury	B Non-Disabling Injury	C Possible Injury	
1958	575	8,261	10,830	9,197	28,288
1959	548	8,338	10,465	10,778	29,581
1960	561	8,455	10,009	11,616	30,080
1961	580	9,566	10,568	12,772	32,906
1962	611	10,810	10,669	13,090	34,568
1963	633	10,700	11,149	13,090	34,939
1964	731	11,801	11,971	14,026	37,798
1965	729	11,207	12,417	13,279	36,903
1966	828	10,114	16,521	14,692	41,327
1967	876	10,405	18,826	16,490	45,721
1968	931	10,639	20,157	18,650	49,446
1969	834	10,406	18,855	18,093	47,354
*1970	875	7,075	24,241	22,149	53,465
1971	876	7,294	23,462	24,343	55,099
1972	855	6,937	23,459	25,058	55,454
1973	776	7,650	23,907	26,482	58,039
1974	761	7,668	23,503	26,545	57,716
1975	771	8,136	26,083	29,926	64,145
1976	825	8,991	27,186	30,132	66,309
1977	927	9,634	28,308	33,414	71,356
**1978	1,006	10,309	26,618	27,742	64,669
1979	1,034	10,579	27,298	27,522	65,399
1980	985	9,945	25,898	25,689	61,532
1981	872	9,177	25,732	26,174	61,083
1982	757	8,276	22,340	24,173	54,789
1983	705	8,400	23,938	25,979	58,317
1984	761	8,254	24,833	28,279	61,366

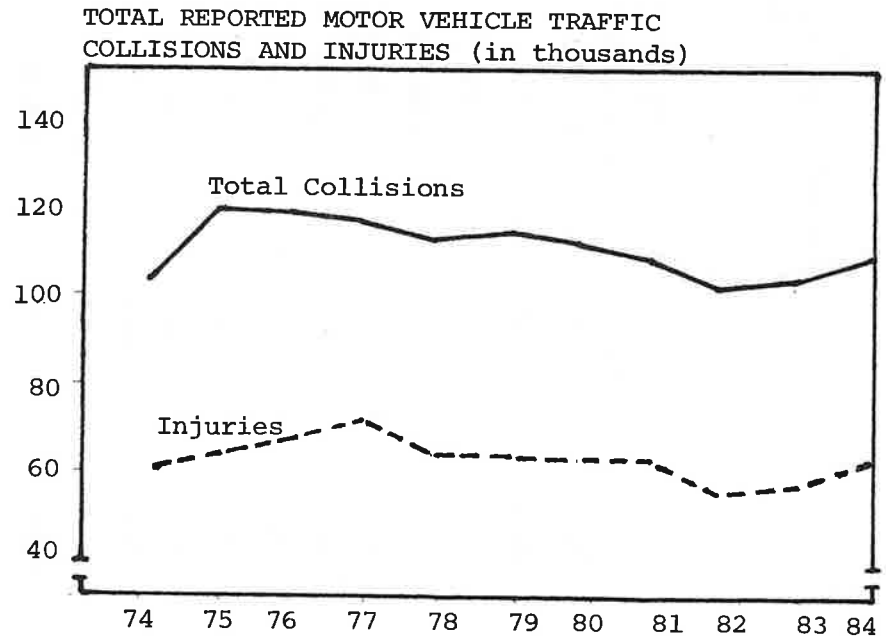
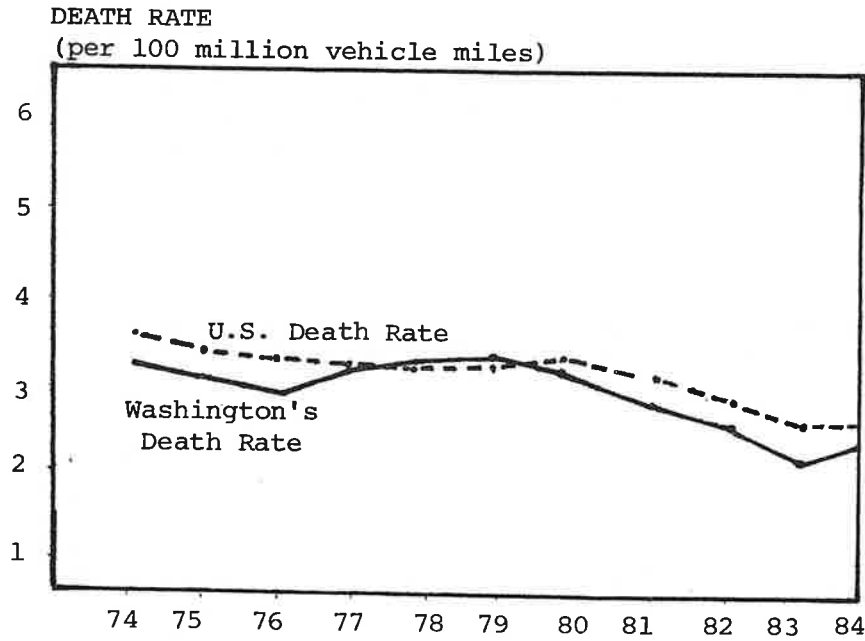
*New statewide investigator's report adopted with all police agencies reporting.

**WSP policy change using only information on the investigator's report in reporting severity of injury--drivers' reports not used when collision investigated.

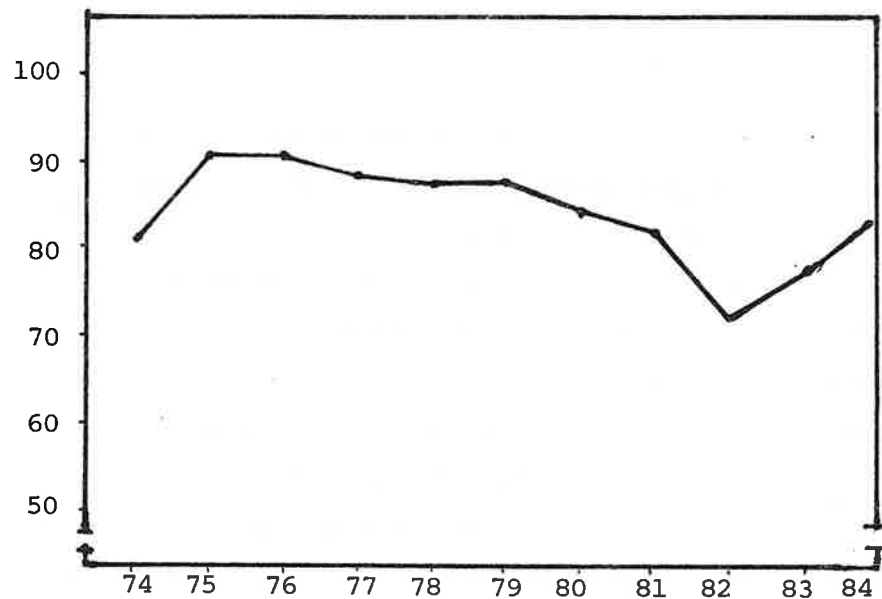
TRAFFIC DEATHS, MILES TRAVELED, DEATH RATE, REPORTED COLLISIONS AND INJURIES
1974 - 1984



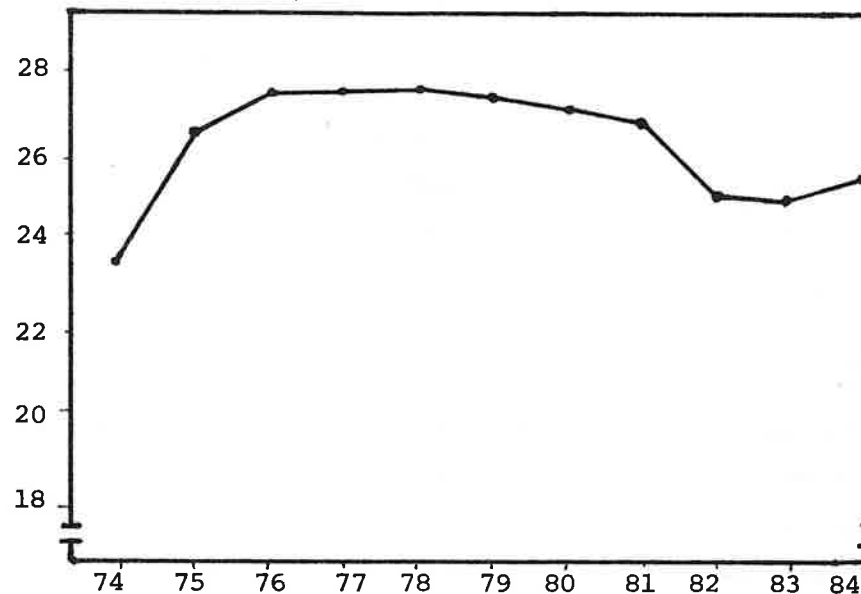
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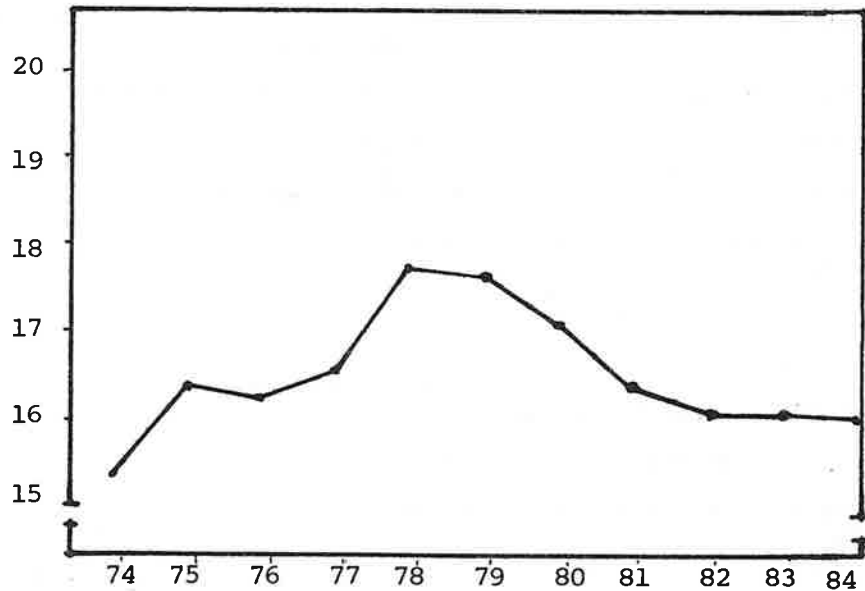
MULTIPLE VEHICLE COLLISION
(in thousands)



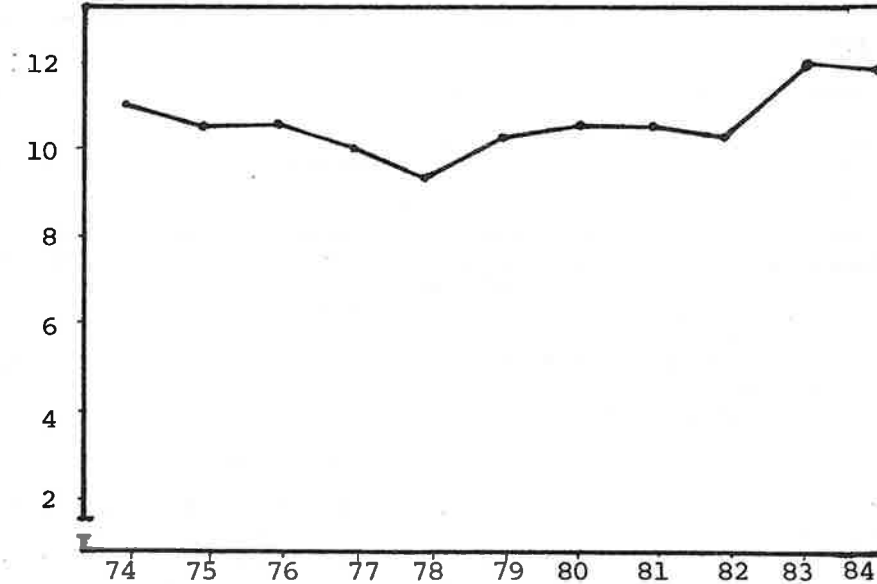
SINGLE VEHICLE COLLISIONS
(in thousands)



VEHICLE-PEDESTRIAN COLLISIONS
(in hundreds)



VEHICLE-PEDALCYCLIST COLLISIONS
(in hundreds)



SUMMARY OF MOTOR VEHICLE TRAFFIC ACCIDENTS

ANNUAL REPORT 1984

FOR THE STATE OF WASHINGTON

SUMMARY REPORT

ANNUAL REPORT 1984

DATE RUN 03/11/85

	INCORPORATED AREAS 2,500 POP. AND OVER	OTHER AREAS UNDER 2,500 POP. AND UNINCORPORATED AREAS	STATEWIDE TOTALS
TOTAL NUMBER OF ACCIDENTS	66,085	45,570	111,655
TOTAL NUMBER OF DRIVERS	120,711	72,285	192,996
TOTAL NUMBER OF VEHICLES	129,309	74,529	203,838
NUMBER OF FATAL ACCIDENTS	174	513	687
NUMBER OF INJURY ACCIDENTS	22,921	19,155	42,076
NUMBER OF PROPERTY DAMAGE ACCIDENTS	42,990	25,902	68,892
NUMBER OF PERSONS KILLED	182	579	761
NUMBER OF DISABLING INJURY	3,540	4,714	8,254
NUMBER OF NON-DISABLING INJURY	12,328	12,505	24,833
NUMBER OF POSSIBLE INJURY	16,662	11,617	28,279
TOTAL NUMBER OF PERSON INJURED	32,530	28,836	61,366
NO. OF ACCIDENTS INV. BY WSP	4,812	24,976	29,788
NO. OF ACC. INV. BY OTHER LAW ENFORC.	44,504	12,940	57,444
TOTAL NO. OF INVESTIGATED ACCIDENTS	49,316	37,916	87,232
PERCENT OF ACCIDENTS INVESTIGATED	74.6 %	83.2 %	78.1 %
TOTAL NO. OF DRIVERS-INVESTIGATED ACCS.	88,046	58,594	146,640
TOTAL NO. OF VEHICLES-INVESTIGATED ACCS.	95,422	60,470	155,892
NO. OF ARRESTS INV. ACCIDENTS	31,334	21,638	52,972

SUMMARY OF MOTOR VEHICLE TRAFFIC ACCIDENTS

ANNUAL REPORT 1984

FOR THE STATE OF WASHINGTON STATEWIDE TOTALS

FOR THE PERIOD 01/01 - 12/31, 1984

TYPE OF ACCIDENT	NUMBER OF ACCIDENTS				NUMBER OF PERSONS					
	TOTAL	FATAL	NON FATAL	PROPERTY DAMAGE	TOTAL KILLED	TOTAL INJURED	A.	B.	C.	NO INJURY
OVERTURNING	5,344	105	2,975	2,264	108	4,170	865	2,187	1,118	3,646
OTHER-NON-COLLISION	463	8	209	246	8	249	73	123	53	534
PEDESTRIAN	1,601	93	1,506	2	94	1,621	497	688	436	1,913
MOTOR VEHICLE IN TRANSPORT	73,558	240	26,618	46,700	287	41,372	4,269	14,504	22,599	55,654
MOTOR VEHICLE ON OTHER ROADWAY	8	1	2	5	3	3	1	0	2	14
PARKED MOTOR VEHICLE	8,623	10	1,211	7,402	10	1,486	190	758	498	9,465
RAILWAY TRAIN	93	7	30	56	9	47	11	22	14	86
PEDALCYCLIST	1,174	11	1,148	15	11	1,204	268	669	267	1,455
ANIMAL	1,178	3	184	991	3	222	43	115	64	1,289
FIXED OBJECT	18,765	199	7,912	10,654	214	10,560	1,972	5,529	3,059	15,438
OTHER OBJECT	848	10	281	557	14	432	65	158	169	1,166
TOTALS	111,655	687	42,076	68,892	761	61,366	8,254	24,833	28,279	90,660

*** NOTE *** THE THREE CATEGORIES OF INJURIES FOLLOW THE MANUAL ON CLASSIFICATION OF MOTOR VEHICLE ACCIDENTS (1970 EDITION).

A. DISABLING INJURY, AN INJURY OTHER THAN FATAL THAT PREVENTS THE INJURED PERSON FROM CONTINUING NORMAL ACTIVITIES.

B. NON-DISABLING INJURY, AN INJURY OTHER THAN INCAPACITATING THAT IS EVIDENT TO ANYONE VIEWING THE INJURED PARTY.

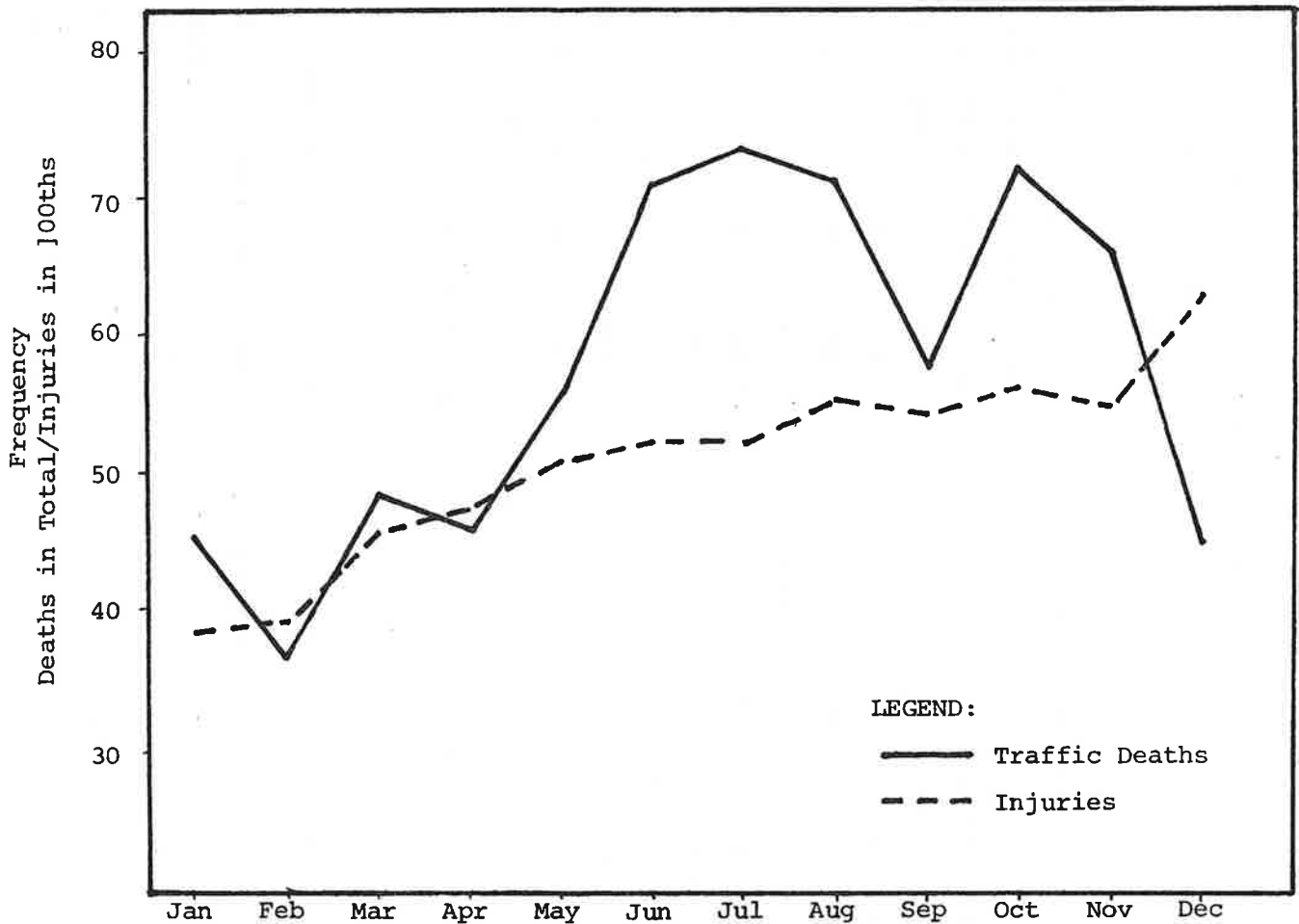
C. POSSIBLE INJURY, AN INJURY THAT IS REPORTED OR CLAIMED BUT IS NOT AN INCAPACITATING OR EVIDENT INJURY.

SUMMARY OF MOTOR VEHICLE ACCIDENTS
FOR THE STATE OF WASHINGTON

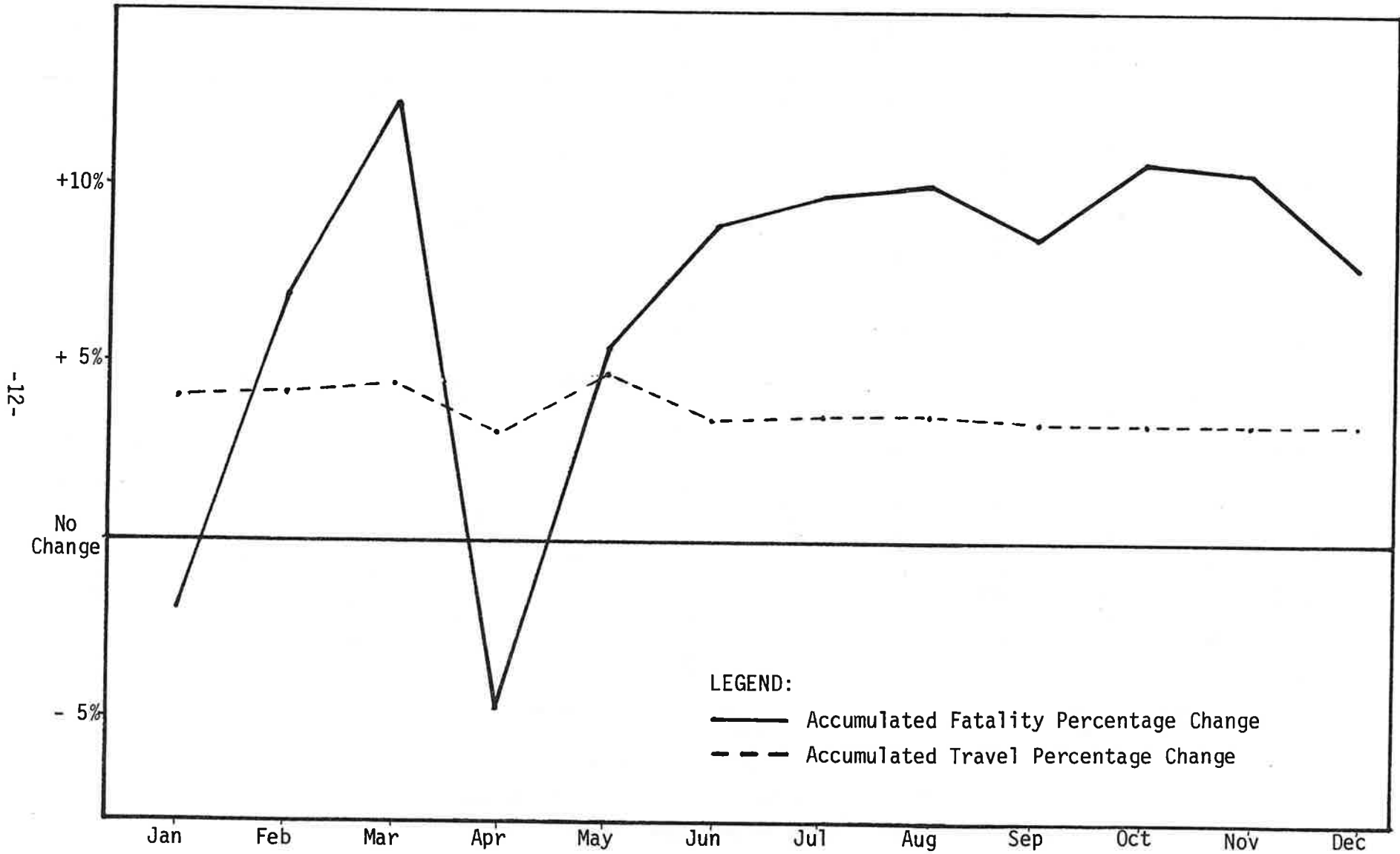
ANNUAL REPORT 1984

MONTH	TOTAL ACCIDENTS	FATAL ACC	INJ ACC	P.D. ACC	NO. KILLED	NO. INJ
JANUARY	7,750	46	2,700	5,004	48	3,891
FEBRUARY	7,528	37	2,759	4,732	41	3,956
MARCH	8,608	48	3,180	5,380	56	4,635
APRIL	8,440	46	3,228	5,166	50	4,747
MAY	9,106	55	3,524	5,527	68	5,174
JUNE	9,017	71	3,623	5,323	82	5,248
JULY	8,581	73	3,585	4,923	83	5,261
AUGUST	9,081	71	3,810	5,200	75	5,593
SEPTEMBER	9,245	57	3,681	5,507	63	5,405
OCTOBER	10,337	72	3,886	6,379	76	5,652
NOVEMBER	10,767	66	3,831	6,870	72	5,522
DECEMBER	13,195	45	4,269	8,881	47	6,282
	111,655	687	42,076	68,892	761	61,366

TRAFFIC DEATHS AND INJURIES BY MONTH



PERCENTAGE CHANGE OF TRAFFIC DEATHS AND TRAVEL BY MONTH
1984 vs 1983



STATEWIDE ACCIDENT CONTRIBUTING CIRCUMSTANCES - BY COUNTY

TOP TEN DRIVER VIOLATIONS (INVESTIGATED ACCIDENTS ONLY)

FOR THE PERIOD 01/01 - 12/31, 1984

PREPARED BY RECORDS SECTION W. S. P.

COUNTY	FTYROW	SPEED SAFE	INATTN	DRUNK DRIVER	FOL. TGD CLOSE	DISR OR SIG.	SIGN	IMP. TURN	DEF. EQUIP.	SPEED LEGAL	OVER CENTER	TOTAL TOP-TEN	ALL OTHERS
ADAMS	46	92	76	33	9	10	17	18	15	4	320	62	
ASCTIN	54	33	61	29	5	22	9	19	12	6	250	20	
BENTON	457	369	393	235	199	168	104	105	59	38	2,167	129	
CHELAN	255	268	358	126	103	84	48	70	56	49	1,417	105	
CLALLAM	213	177	250	126	63	52	48	60	50	36	1,075	69	
CLARK	682	515	700	380	167	255	121	225	150	52	3,287	229	
COLUMBIA	5	21	21	11	0	0	2	11	6	2	79	9	
GWALTZ	355	275	467	179	95	136	60	108	95	35	1,805	106	
DOUGLAS	70	89	93	35	33	28	8	31	21	17	425	40	
FERRY	3	63	23	20	1	4	4	20	10	10	158	12	
FRANKLIN	224	149	238	75	52	77	45	56	42	19	977	57	
GARFIELD	5	20	17	5	2	1	1	4	4	3	62	6	
GRANT	180	171	211	93	52	40	34	50	49	16	896	103	
GRAYS HARBOR	308	323	391	197	83	80	85	101	103	42	1,713	122	
ISLAND	120	150	158	82	61	26	16	33	55	16	717	61	
JEFFERSON	41	89	96	37	11	13	8	27	16	15	353	48	
KING	8,596	5,514	9,739	2,635	2,915	2,517	1,435	1,470	1,231	737	36,789	1,742	
KITSAP	602	825	647	425	241	203	102	184	215	83	3,527	210	
KITTITAS	83	387	186	89	31	22	17	67	40	16	938	133	
KLICHTAT	23	110	72	45	7	5	7	38	21	12	340	50	
LEWIS	195	305	314	138	87	58	55	127	64	50	1,393	143	
LINCOLN	23	44	30	10	3	5	7	16	16	5	159	36	
MASON	103	182	133	80	33	32	17	43	57	24	704	55	
CHAMBERLAIN	56	197	115	76	20	24	20	35	40	23	606	75	
PACIFIC	45	85	65	39	12	16	13	27	13	7	322	32	
PEND CREILLE	8	46	24	12	5	2	1	10	8	5	121	16	
PIERCE	3,187	2,307	3,246	1,341	1,148	1,216	518	555	549	274	14,341	684	
SAN JUAN	8	29	45	14	1	2	0	13	8	4	124	7	
SKAGIT	327	312	377	187	120	77	37	105	94	44	1,680	120	
SKAMANIA	15	50	47	13	2	4	1	22	5	9	168	19	
SNOHOMISH	1,726	1,877	1,972	788	646	522	342	443	403	247	8,966	510	
SPokane	1,421	1,289	1,321	643	426	701	262	229	305	180	6,777	326	
STEVENS	61	186	51	57	11	11	15	42	23	41	498	42	
THURSTON	690	702	733	322	234	234	119	194	145	64	3,447	209	
WAHIAKUM	6	22	12	7	1	0	3	5	4	1	61	8	
WALLA WALLA	269	188	228	102	64	97	43	47	61	23	1,122	77	
WHATCOM	468	395	603	225	179	189	103	120	92	62	2,436	180	
WHITMAN	101	187	202	45	28	23	22	52	39	44	743	73	
YAKIMA	988	680	819	466	259	370	172	207	184	90	4,235	297	
STATEWIDE	22,019	18,722	24,534	9,432	7,409	7,326	3,921	4,989	4,400	2,445	105,198	6,222	

SUMMARY OF MOTOR VEHICLE ACCIDENTS BY AGE AND VIOLATION

FOR THE PERIOD 01/01 - 12/31, 1984 PREPARED BY RECCRS SECTION W. S. P.

DRIVER AGE	DWI	SPEED COND	SPEED LEGAL	DISR OR SIGN	SIG	IMP TRAVEL	LANE	FTYROW	FOL TOO CLOSE	OVER CENTER	DEF EQUIP	IMP PASS	OTHER CIRCUM	TOTAL
15 & UNDER	24	152	50	32	0	106	15	15	30	6	193	623		
16	101	903	265	197	0	800	231	115	213	73	1,073	3,971		
17	182	981	306	270	0	828	360	117	257	111	1,195	4,607		
18	285	1,061	320	352	0	901	425	113	350	97	1,404	5,308		
19	380	948	308	345	0	805	399	118	300	88	1,276	4,967		
20	444	937	284	305	0	803	385	116	267	109	1,256	4,906		
21	581	901	273	307	0	718	319	93	245	100	1,227	4,764		
22	484	800	235	280	0	698	312	100	227	71	1,032	4,239		
23	413	702	211	255	0	653	294	93	191	84	1,004	3,900		
24	474	653	196	239	0	595	280	73	186	74	926	3,696		
25	373	592	150	213	0	543	220	75	158	61	817	3,202		
26	357	568	146	195	0	551	227	77	166	44	781	3,112		
27	350	557	119	186	0	527	217	64	141	52	758	2,971		
28	313	503	120	180	0	515	188	63	139	58	729	2,808		
29	264	442	99	155	0	454	181	56	118	47	664	2,480		
30 THRU 34	1,295	1,951	331	687	0	2,154	776	259	518	177	3,059	11,207		
35 THRU 39	785	1,422	216	540	0	1,765	577	192	353	138	2,287	8,275		
40 THRU 44	554	840	131	370	0	1,208	389	135	241	99	1,526	5,493		
45 THRU 49	357	582	56	263	0	943	290	92	177	63	1,111	3,934		
50 THRU 54	251	437	46	246	0	842	221	49	115	54	942	3,203		
55 THRU 59	203	391	34	220	0	874	243	53	105	38	876	3,037		
60 THRU 64	184	275	21	255	0	863	179	51	77	41	803	2,749		
65 THRU 69	91	212	22	216	0	850	125	36	45	36	753	2,386		
70 THRU 74	74	141	11	208	0	801	53	31	26	19	584	1,988		
75 & OVER	26	170	10	292	0	1,213	111	27	45	25	847	2,766		
NOT STATED	587	1,602	440	518	0	1,009	352	232	299	135	5,658	10,832		
TOTAL	9,432	18,723	4,400	7,326	0	22,019	7,409	2,445	4,989	1,900	32,781	111,424		

SUMMARY OF MOTOR VEHICLE TRAFFIC COLLISIONS

FOR THE PERIOD 01/01 - 12/31, 1984

PREPARED BY RECORDS SECTION W. S. P.

STATEWIDE

INVESTIGATING AGENCY

COLLISION TOTALS	W. S. P.	SHERIFF	OTHER LAW ENFORCEMENT	NOT INVESTIGATED	TOTAL
TOTAL	29,788	11,143	46,301	24,423	111,655
FATAL	500	47	140	0	687
INJURY	13,796	4,896	17,499	5,885	42,076
PROPERTY DAMAGE	15,492	6,200	28,662	18,538	68,892
FREEWAY	7,806	141	962	2,576	11,485
RURAL-STATE ROUTE	10,349	664	627	2,059	13,699
COUNTY ROAD	10,594	9,704	169	4,153	24,620
OTHER ROUTES	1,039	634	44,543	15,635	61,851
SINGLE VEHICLE - ALL	13,054	3,823	5,743	1,489	24,109
SINGLE VEHICLE - FATAL	243	24	37	0	304
MULTIPLE VEHICLE - ALL	14,420	5,962	32,469	20,715	73,566
MULTIPLE VEHICLE - FATAL	177	12	52	0	241

ALL COLLISIONS - MAIN CAUSES

EXCEEDING LEGAL OR SAFE SPEED	13,496	3,155	6,472	* NA	23,123
FAILURE TO YIELD RIGHT OF WAY	4,517	2,489	15,013		22,019
DRIVING WHILE INTOXICATED	4,214	1,290	3,928		9,432
FALLING ASLEEP OR INATTENTION	6,359	3,545	16,440		26,344
FOLLOWING TOO CLOSE	2,477	861	4,071		7,409
DISREGARDING SIGNS OR SIGNALS	1,363	769	5,194		7,326

FATAL COLLISIONS - MAIN CAUSES

DRIVING WHILE INTOXICATED	244	19	48	* NA	311
EXCEEDING LEGAL OR SAFE SPEED	236	19	39		294
FAILURE TO YIELD RIGHT OF WAY	26	5	29		60
CROSSING OVER CENTER LINE	92	4	16		112
DISREGARDING SIGNS OR SIGNALS	35	3	20		58
FALLING ASLEEP OR INATTENTION	77	8	28		113

* - DRIVER VIOLATIONS COME FROM INVESTIGATED COLLISIONS ONLY

DRIVER AGE DISTRIBUTION - 1984

Age Group	Involved in Collisions				Licensed Drivers		Over/Under Ratio Representation Drivers In:	
	Total		Fatal		Number	%	Total	Fatal
	Number	%	Number	%				
Under 16	683	0.40	11	1.13	-0-	--	--	--
16	5,081	2.97	24	2.47	27,347	0.92	+3.23	+2.68
17	6,341	3.71	23	2.37	42,209	1.42	+2.61	+1.67
18	7,168	4.19	45	4.63	49,780	1.67	+2.51	+2.77
19	6,984	4.09	38	3.91	56,725	1.91	+2.14	+2.05
20	7,005	4.10	35	3.60	60,523	2.03	+2.02	+1.77
21	6,714	3.93	40	4.12	64,975	2.19	+1.79	+1.88
22	6,333	3.70	37	3.81	67,228	2.26	+1.64	+1.69
23	5,984	3.50	42	4.32	71,670	2.41	+1.45	+1.79
24	5,751	3.36	40	4.12	71,950	2.42	+1.39	+1.70
25 - 29	25,075	14.67	135	13.90	386,506	13.00	+1.13	+1.07
30 - 34	20,697	12.11	102	10.50	389,036	13.08	-0.93	-0.80
35 - 39	16,782	9.82	94	9.68	350,031	11.77	-0.83	-0.82
40 - 44	11,522	6.74	68	7.00	267,050	8.98	-0.75	-0.78
45 - 49	8,258	4.83	47	4.84	202,520	6.81	-0.71	-0.71
50 - 54	6,919	4.05	41	4.22	178,933	6.02	-0.67	-0.70
55 - 59	6,529	3.82	30	3.08	174,745	5.88	-0.65	-0.52
60 - 64	5,587	3.27	43	4.23	172,546	5.80	-0.56	-0.73
65 - 69	4,443	2.60	25	2.57	139,073	4.68	-0.56	-0.55
70 & Over	7,071	4.14	51	5.25	200,621	6.75	-0.61	-0.78
Male	116,958	64.19	754	77.49	1,557,806	52.39	+1.23	+1.48
Female	65,237	35.81	219	22.51	1,415,662	47.61	-0.75	-0.47

COLLISION RATE BY CITY POPULATION - 1984
(Does not include collisions on state limited access roads or freeways.)

<u>City</u>	<u>1984 Population</u>	<u>Traffic Deaths</u>	<u>Death Rate*</u>	<u>No. of Injuries</u>	<u>Injury Rate**</u>	<u>Total Collisions</u>	<u>Collisions Rate**</u>
250,000 and over Population							
1. Seattle	490,300	45	9.2	8,489	17.31	17,329	35.34
100,000 to 250,000 Population							
1. Spokane	171,500	18	10.5	3,227	18.82	5,903	34.42
2. Tacoma	159,400	16	10.0	3,285	20.61	5,813	36.47
50,000 to 100,000 Population							
1. Bellevue	78,620	1	1.3	979	12.45	2,125	27.03
2. Everett	56,680	7	12.3	821	14.48	1,805	31.84
25,000 to 50,000 Population							
1. Yakima	49,340	5	10.1	860	17.43	1,957	39.66
2. Bellingham	46,010	4	8.7	537	11.67	1,223	26.53
3. Vancouver	42,850	7	16.3	861	20.09	1,365	31.85
4. Kennewick	37,240	2	5.4	261	7.00	843	22.64
5. Bremerton	33,970	3	8.8	541	15.93	1,148	33.79
6. Renton	33,340	3	9.0	608	18.24	1,292	38.75
7. Richland	31,660	1	3.2	309	9.76	610	19.27
8. Longview	29,820	2	6.7	409	13.72	863	28.94
9. Auburn	29,170	2	6.9	446	15.29	800	27.42
10. Olympia	28,790	1	3.5	480	16.67	1,086	37.72
11. Edmonds	27,880	1	3.6	274	9.83	543	19.48
12. Redmond	27,340	1	3.7	298	10.90	689	25.20
13. Kent	26,250	6	22.9	711	27.09	1,190	45.33
14. Walla Walla	25,640	0	--	311	12.13	646	25.19
15,000 to 25,000 Population							
1. Lynnwood	23,139	1	4.3	500	21.62	944	40.81
2. Pullman	22,770	0	--	92	4.04	257	11.29

Collision Rate by City Population - 1984
 (Does not include collisions on state
 limited access roads or freeways.)
 Page 2

<u>City</u>	<u>1984 Population</u>	<u>Traffic Deaths</u>	<u>Death Rate*</u>	<u>No. of Injuries</u>	<u>Injury Rate**</u>	<u>Total Collisions</u>	<u>Collision Rate**</u>
3. Mercer Island	20,910	1	4.8	69	3.30	194	9.28
4. Pasco	18,930	3	15.8	268	14.16	558	29.48
5. Kirkland	18,670	1	5.4	185	9.91	498	26.67
6. Puyallup	18,600	1	5.4	316	16.99	566	30.43
7. Aberdeen	17,400	1	5.7	172	9.88	555	31.90
8. Wenatchee	17,330	1	5.8	178	10.27	568	32.78
9. Port Angeles	17,220	1	5.8	183	10.63	437	25.38
10. Mountlake Terrace	16,020	0	--	111	6.93	266	16.60
10,000 to 15,000 Population							
1. Lacey	14,520	0	--	151	10.40	332	22.86
2. Mount Vernon	13,730	1	7.3	187	13.62	401	29.20
3. DesMoines	13,100	0	--	144	10.99	233	17.78
4. Oak Harbor	12,210	0	--	100	8.19	184	15.07
5. Centralia	11,770	1	8.5	129	10.96	323	27.44
6. Ellensburg	11,590	0	--	72	6.21	200	17.26
7. Kelso	10,840	0	--	143	13.19	286	26.38
8. Moses Lake	10,350	0	--	105	10.14	275	26.57
Statewide Urban (Less Urban Freeways)	2,165,585	155	7.2	28,887	13.34	59,530	27.49

*Frequency per 100,000 population

**Frequency per 1,000 population

COLLISION RATES BY COUNTY POPULATION - 1984

<u>County</u>	<u>1984 Population</u>	<u>Traffic Deaths</u>	<u>Death Rate*</u>	<u>No. of Injuries</u>	<u>Injury Rate**</u>	<u>Total Collisions</u>	<u>Collision Rate**</u>
Over 1,000,000 Population							
1. King	1,326,600	146	11.00	21,169	15.95	40,487	30.52
250,000 to 500,000 Population							
1. Pierce	514,600	78	15.16	8,259	16.05	13,941	27.09
2. Snohomish	366,700	64	17.45	4,858	13.25	8,511	23.21
3. Spokane	349,400	45	12.88	5,589	16.00	9,306	26.63
100,000 to 250,000 Population							
1. Clark	201,700	31	15.37	2,578	12.78	4,135	20.50
2. Yakima	180,000	39	21.67	2,155	11.97	4,390	24.39
3. Kitsap	162,500	23	14.15	1,902	11.70	3,386	20.84
4. Thurston	136,200	18	13.22	1,795	13.18	3,381	24.82
5. Whatcom	113,700	16	14.07	1,377	12.11	2,526	22.22
6. Benton	107,700	14	13.00	994	9.23	2,189	20.32
50,000 to 100,000 Population							
1. Cowlitz	79,900	16	20.02	972	12.16	1,825	22.84
2. Skagit	66,800	19	28.44	934	13.98	1,640	24.55
3. Grays Harbor	65,100	26	39.94	869	13.35	1,663	25.55
4. Lewis	56,600	26	45.94	796	14.06	1,372	24.24
5. Clallam	52,900	13	24.57	563	10.64	1,069	20.21
25,000 to 50,000 Population							
1. Grant	49,500	12	24.24	478	9.66	920	18.59
2. Walla Walla	48,500	7	14.43	626	12.91	1,118	23.05
3. Island	47,800	10	20.92	433	9.06	698	14.60
4. Chelan	47,500	22	46.32	604	12.72	1,346	28.34
5. Whitman	39,700	7	17.63	419	10.55	717	18.06
6. Franklin	36,300	15	41.32	508	13.99	897	24.71

Collision Rates by County Population - 1984
Page 2

<u>County</u>	<u>1984 Population</u>	<u>Traffic Deaths</u>	<u>Death Rate*</u>	<u>No. of Injuries</u>	<u>Injury Rate**</u>	<u>Total Collisions</u>	<u>Collision Rate**</u>
7. Mason	34,800	9	25.86	368	10.57	728	20.92
8. Okanogan	31,900	12	37.62	387	12.13	680	21.32
9. Stevens	30,100	12	39.87	304	10.10	529	17.57
10,000 to 25,000 Population							
1. Kittitas	25,000	13	52.00	462	18.48	997	39.48
2. Douglas	22,600	11	48.67	244	10.80	415	18.36
3. Pacific	17,700	6	33.90	186	10.51	338	19.10
4. Jefferson	17,000	8	47.06	249	14.65	408	24.00
5. Asotin	16,900	1	5.92	119	7.04	233	13.79
6. Klickitat	16,500	9	54.54	196	11.88	320	19.39
7. Adams	13,700	4	29.20	251	18.32	376	27.45
Under 10,000 Population							
1. Lincoln	9,800	5	51.02	142	14.90	202	20.61
2. Pend Oreille	9,100	1	10.10	125	13.74	180	19.78
3. San Juan	8,900	1	11.63	89	10.00	128	14.38
4. Skamania	7,900	6	75.95	103	13.04	186	23.54
5. Ferry	6,100	5	81.97	95	15.57	156	25.57
6. Columbia	4,100	2	48.78	65	15.85	111	27.07
7. Wahkiakum	3,800	3	78.95	56	14.74	80	21.05
8. Garfield	2,500	2	80.00	47	18.80	71	28.40
Total	4,328,100	761	17.58	61,366	14.18	111,655	25.80

*Frequency per 100,000 Population

**Frequency per 1,000 Population

MOTORCYCLE COLLISIONS
1980 - 1984

	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>4-Year Average</u>	<u>1984</u>	<u>Change '84 4-Year Average</u>
Total Collisions	3,914	3,728	3,376	3,312	3,583	3,477	- 3.0%
Fatal Collisions	116	104	103	77	100	69	-31.0%
*Fatal Collisions Ratio	29.6	27.9	30.5	23.2	27.9	19.8	-29.0%
Motorcycle Registration	135,899	139,931	131,667	127,950	133,862	126,703	- 5.3%
**Total Collision Registration Rate	2.88	2.66	2.56	2.59	2.68	2.74	+ 2.2%
***Fatal Registration Rate	.854	.743	.782	.570	.747	.545	-27.0%
Total Persons Killed	129	105	109	77	105	75	-28.6%
Total Persons Injured	4,201	3,970	3,341	3,555	3,767	3,656	- 2.9%
Motorcyclist Killed	120	101	108	77	102	72	-27.4%
Motorcyclist Injured	3,919	3,701	3,289	3,351	3,565	3,434	- 3.7%

*Fatal Collisions Per 1,000 Motorcycle Collisions

**Motorcycles Involved Per 100 Registered

***Fatal Collisions Per 1,000 Motorcycles Registered

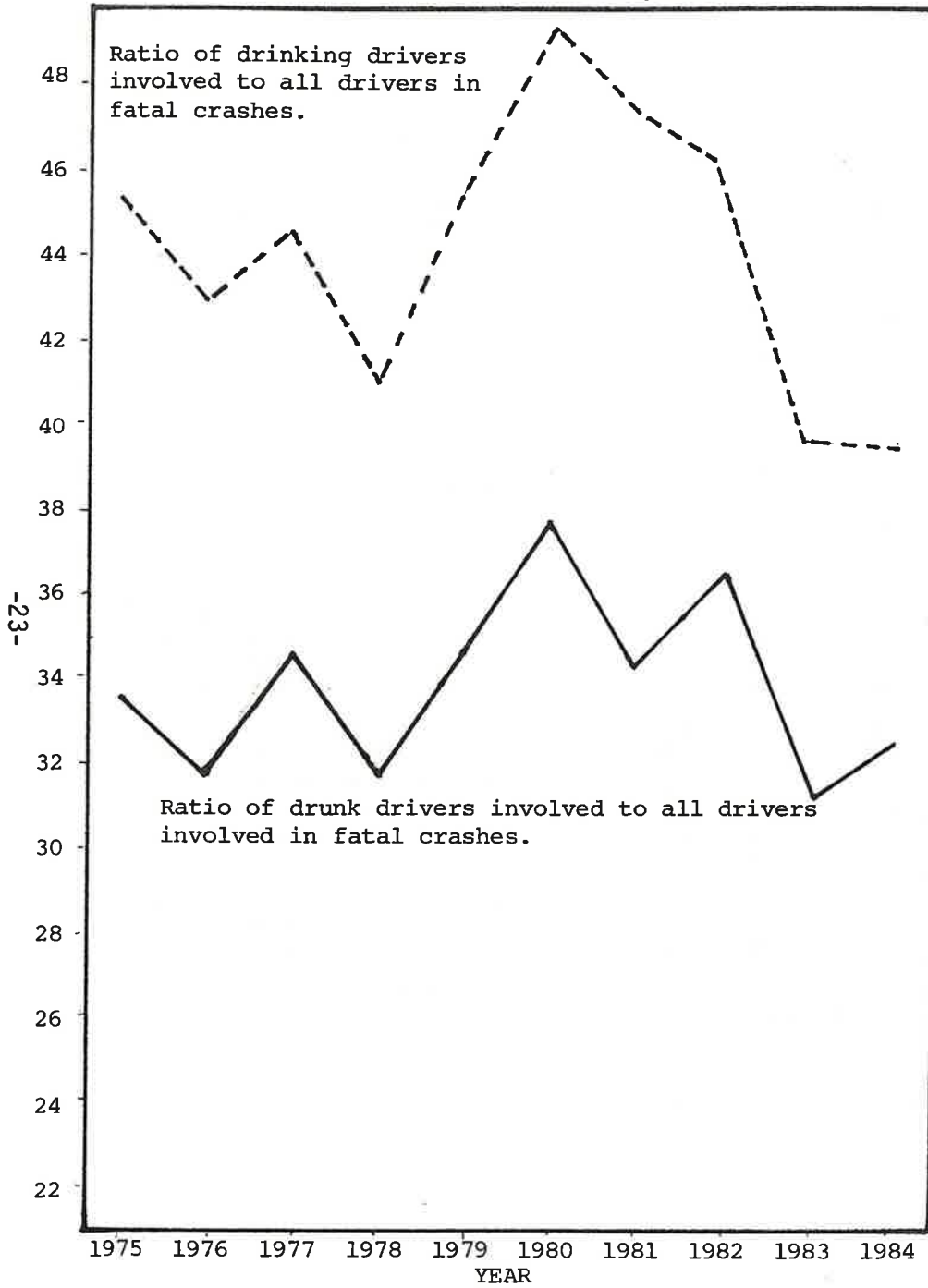
DRIVERS INVOLVED IN INVESTIGATED COLLISIONS
1983/1984 AND PREVIOUS 3 YEAR AVERAGE

Condition of Driver (Sobriety)	Fatal Collisions					All Investigated Collisions					
	1984	1983	Pre 3 Yr. Average	% of Change 84-83	84-3 Yr. Avg	1984	1983	Pre 3 Yr. Average	% of Change 84-83	84-3 Yr. Avg	
STATEWIDE	Had been drinking ability impaired	307	260	319	+18.1	- 3.8	9,173	9,267	10,418	- 1.0	-12.0
	Had been drinking ability not impaired	52	37	50	+41.0	+ 4.0	3,634	3,571	4,164	+ 1.8	-12.7
	Had been drinking sobriety unknown	11	31	50	-65.0	-78.0	4,493	4,471	5,456	+ 0.5	-17.7
	Had not been drinking	574	502	516	+14.0	+11.2	113,957	106,917	102,511	+ 6.6	+11.2
	Not stated	41	62	61	-33.9	-32.8	15,383	14,005	14,742	+ 9.8	+ 4.3
	Total drivers	985	892	995	+10.4	- 1.0	146,640	138,231	137,290	+ 6.0	+ 6.8
	Total drivers drinking	370	328	419	+12.8	-11.7	17,300	17,309	20,038	- *	-13.7
	Total drivers excluding not stated	944	832	935	+13.5	+ 1.0	131,257	124,226	122,549	+ 5.7	+ 7.1
	No. drinking drivers/100 involved	39.2	39.4	44.8	- 0.5	-12.5	13.2	13.9	16.4	- 5.0	-19.5
	No. drunk drivers/100 involved	32.5	31.3	34.1	+ 3.8	- 4.7	7.0	7.5	8.5	- 6.7	-17.6
URBAN	Had been drinking ability impaired	246	198	251	+19.0	- 2.0	5,067	5,074	5,649	- 0.1	-10.3
	Had been drinking ability not impaired	35	28	38	+25.0	- 7.9	1,766	1,775	2,043	- 0.5	-13.6
	Had been drinking sobriety unknown	6	24	35	-75.0	-82.9	2,242	2,449	2,929	- 8.4	-23.5
	Had not been drinking	422	360	376	+17.2	+12.2	45,443	43,160	41,860	+ 5.3	+ 8.6
	Not stated	24	32	29	-25.0	-17.2	4,076	3,872	4,094	+ 5.3	- 0.4
	Total drivers	733	642	729	+14.7	+ 0.5	58,594	56,330	56,576	+ 4.0	+ 3.6
	Total drivers drinking	287	250	324	+14.8	-11.4	9,075	9,298	10,621	- 2.3	-14.6
	Total drivers excluding not stated	709	610	700	+16.2	+ 1.3	54,518	52,458	52,482	+ 3.9	+ 3.9
	No. drinking drivers/100 involved	40.5	41.0	46.3	- 1.2	-12.5	16.6	17.7	20.2	- 6.2	-17.8
	No. of drunk drivers/100 involved	34.7	32.5	35.9	+ 6.8	- 3.3	9.3	9.7	10.8	- 4.1	-13.9
RURAL	Had been drinking ability impaired	61	62	68	- 1.6	-10.3	4,106	4,193	4,770	- 2.0	-13.9
	Had been drinking ability not impaired	17	9	12	+89.0	+41.7	1,868	1,796	2,120	+ 4.0	-11.9
	Had been drinking sobriety unknown	5	7	15	-28.6	-67.0	2,251	2,022	2,526	+11.3	-10.9
	Had not been drinking	152	142	140	+ 7.0	+ 8.6	68,514	63,757	60,651	+ 7.5	+13.0
	Not stated	17	30	32	-43.3	-46.9	11,307	10,133	10,981	+11.6	+ 3.0
	Total drivers	252	250	266	+ 0.8	- 5.3	88,046	81,901	80,715	+ 7.5	+ 9.0
	Total drivers drinking	83	78	95	+ 6.4	-12.6	8,225	8,011	9,416	+ 2.7	-12.6
	Total drivers excluding not stated	235	220	234	+ 6.8	+ 0.4	76,739	71,768	70,067	+ 6.9	+ 9.5
	No. drinking drivers/100 involved	35.3	35.5	40.6	- 0.6	-13.0	10.7	11.2	13.4	- 4.5	-20.1
	No. of drunk drivers/100 involved	26.0	28.2	29.1	- 7.8	-10.7	5.4	5.8	6.8	- 6.9	-20.6

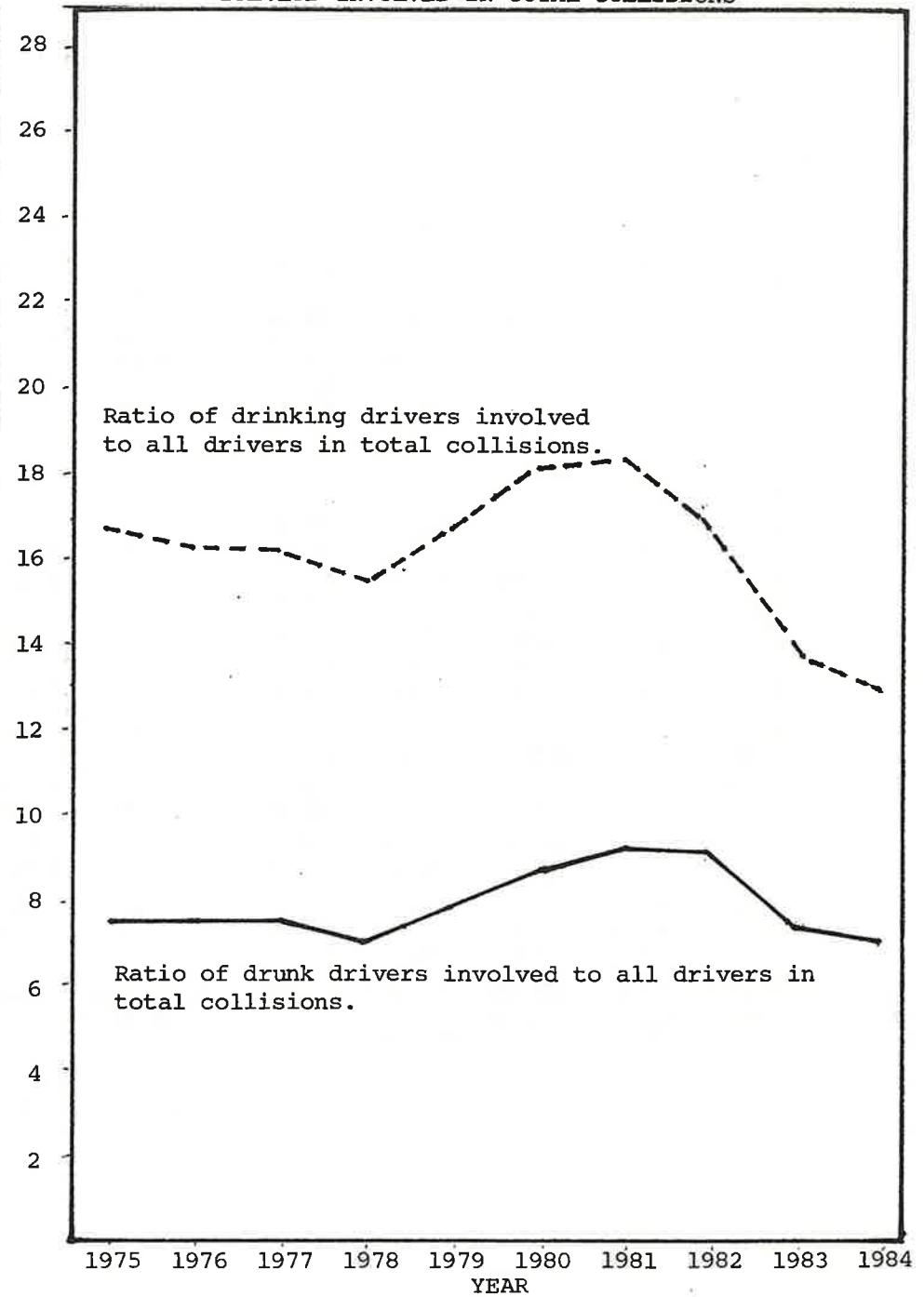
*Less than 1/10 of 1 Percent.

RATIO OF DRINKING AND DRUNK DRIVERS INVOLVED IN TRAFFIC COLLISIONS
1975 - 1984

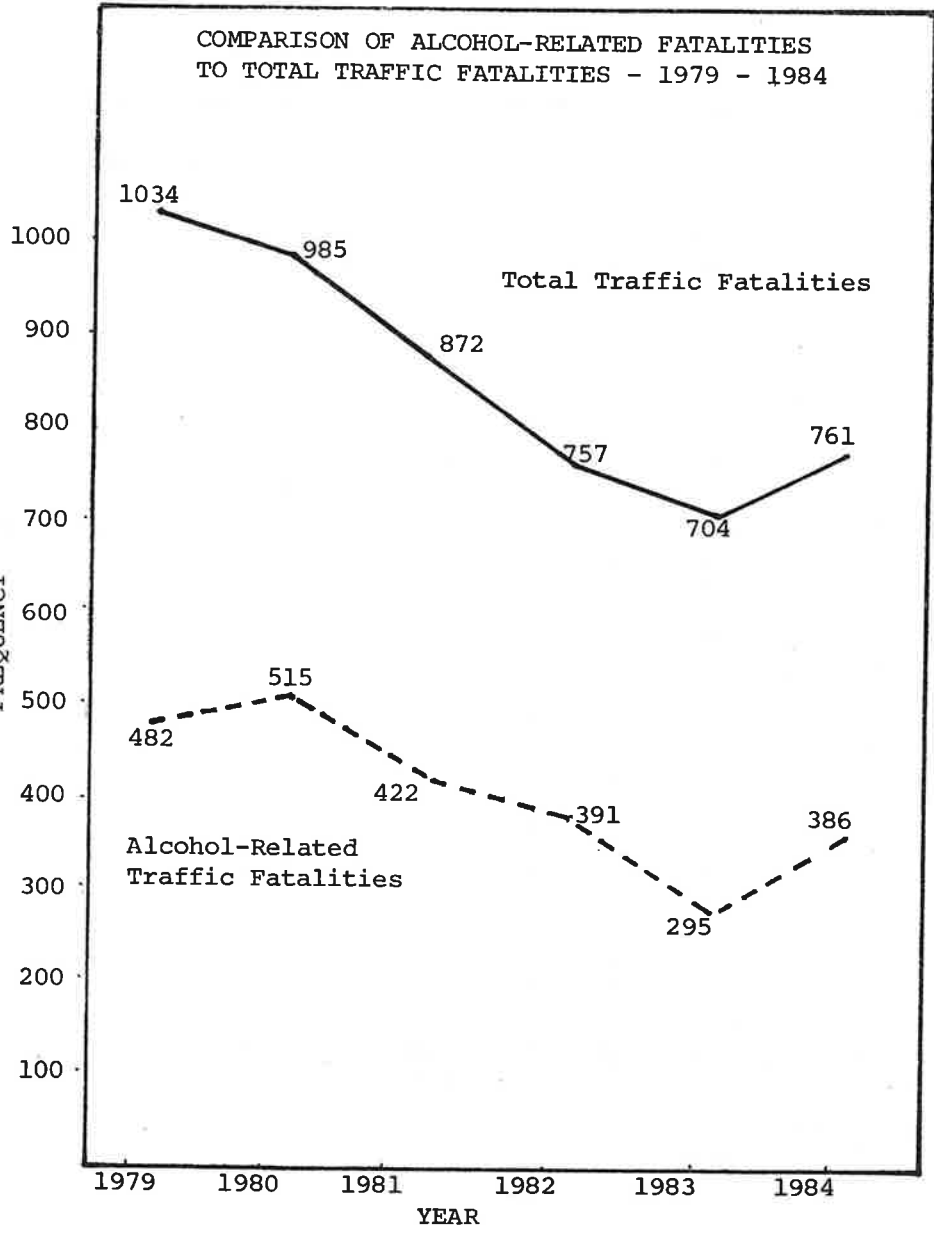
DRIVERS INVOLVED IN FATAL CRASHES



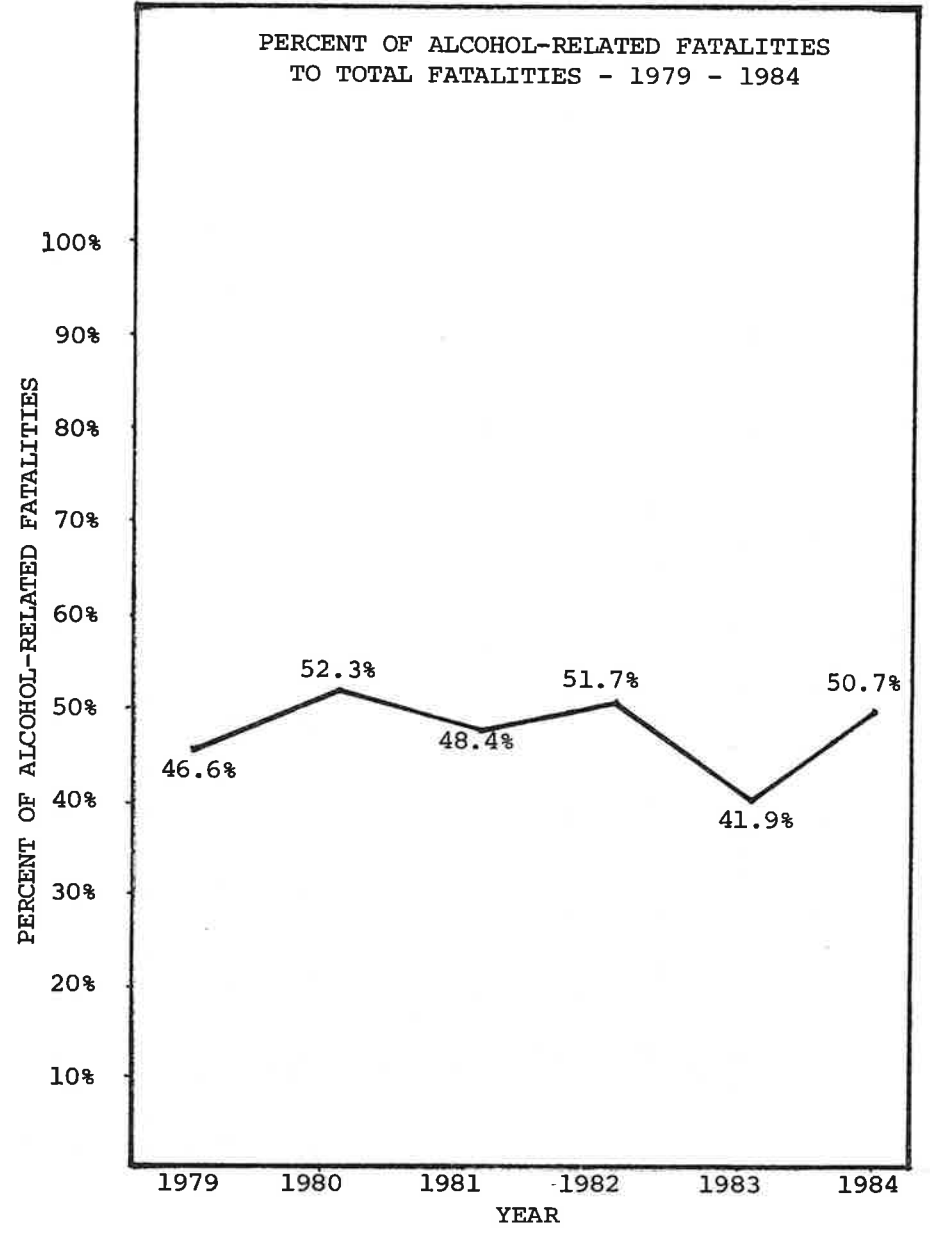
DRIVERS INVOLVED IN TOTAL COLLISIONS



COMPARISON OF ALCOHOL-RELATED FATALITIES TO TOTAL TRAFFIC FATALITIES - 1979 - 1984



PERCENT OF ALCOHOL-RELATED FATALITIES TO TOTAL FATALITIES - 1979 - 1984



COMPARISON OF MILES TRAVELED
ALL REPORTED ACCIDENTS AND ALCOHOL INVOLVED ACCIDENTS
BY AGE OF DRIVER - 1984

<u>Driver Age</u>	<u>Percent of Vehicle Miles Traveled*</u>	<u>Percent of All Accident Drivers**</u>	<u>Over/Under Representation Ratio</u>	<u>Percent of All Alcohol Involved Accidents</u>	<u>Over/Under Representation Ratio</u>
16-17	1.95	6.68	3.43:1	4.28	2.19:1
18	1.97	4.19	2.13:1	4.05	2.06:1
19	2.31	4.09	1.77:1	4.59	1.99:1
20	2.74	4.10	1.50:1	4.99	1.82:1
21	2.31	3.93	1.70:1	6.02	2.61:1
22-24	8.38	10.57	1.26:1	14.80	1.77:1
25-34	27.40	26.78	.98:1	31.54	1.15:1
35-44	19.48	16.56	.85:1	15.15	.78:1
45-54	17.53	8.88	.51:1	7.18	.41:1
55-64	10.73	7.09	.66:1	4.45	.41:1
65 & Over	5.10	6.74	1.32:1	2.64	.52:1

* Source - National Accident Sampling System (NASS) - 1979-1980

** Source - Accident Records Unit - Washington State Patrol

COMPARISON OF ALCOHOL-RELATED COLLISIONS
BY MOTOR VEHICLE TRAVEL BY COUNTY - 1984

County	Collisions	% of Total	% of Motor Veh. Travel	Over/Under Rep. Ratio	Alcohol Related Collisions by Roadway Class			
					Cities	State Rts.	Co. Roads	Other Rdwys.
Adams	63	0.38	0.99	-0.38	32	20	11	0
Asotin	51	0.31	0.30	+1.03	29	12	10	0
Benton	336	2.02	2.85	-0.71	214	46	72	4
Chelan	202	1.22	1.18	+1.03	79	63	55	5
Clallam	198	1.19	1.24	-0.96	64	73	51	10
Clark	669	4.02	4.35	-0.92	240	118	310	1
Columbia	19	0.11	0.16	-0.69	1	8	10	0
Cowlitz	294	1.77	2.57	-0.69	175	59	60	0
Douglas	68	0.41	0.58	-0.71	16	33	19	0
Ferry	43	0.26	0.17	+1.53	4	20	19	0
Franklin	143	0.86	1.15	-0.75	102	19	22	0
Garfield	10	0.06	0.14	-0.43	1	4	4	1
Grant	154	0.92	2.02	-0.46	59	46	49	0
Grays Harbor	357	2.15	1.87	+1.15	188	88	72	9
Island	147	0.88	0.69	+1.28	26	46	74	1
Jefferson	65	0.39	0.48	-0.81	18	25	22	0
King	4,798	28.88	29.15	-0.99	3,118	590	1,079	11
Kitsap	726	4.37	2.69	+1.62	233	135	357	1
Kittitas	145	0.87	2.04	-0.43	36	74	31	4
Klickitat	68	0.41	0.60	-0.68	8	35	24	0
Lewis	255	1.54	2.06	-0.75	69	94	83	9
Lincoln	37	0.22	0.62	-0.35	1	26	10	0
Mason	167	1.01	0.82	+1.23	33	69	60	5
Okanogan	166	1.00	0.62	+1.61	34	65	61	6
Pacific	71	0.43	0.53	-0.81	17	36	15	3
Pend Oreille	32	0.19	0.27	-0.70	4	15	10	3
Pierce	2,257	13.59	19.81	-0.69	1,098	440	715	4
San Juan	32	0.19	0.05	+3.80	3	0	29	0
Skagit	301	1.81	2.14	-0.85	110	80	109	2
Skamania	27	0.16	0.24	-0.67	4	8	12	3
Snohomish	1,389	8.36	6.96	+1.20	656	266	466	1

Comparison of Alcohol-Related Collisions
 By Motor Vehicle Travel By County - 1984
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<u>County</u>	<u>Collisions</u>	<u>% of Total</u>	<u>% of Motor Veh. Travel</u>	<u>Over/Under Rep. Ratio</u>	<u>Alcohol Related Collisions by Roadway Class</u>			
					<u>Cities</u>	<u>State Rts.</u>	<u>Co. Roads</u>	<u>Other Rdwys.</u>
Spokane	1,228	7.39	8.12	-0.91	661	205	359	3
Stevens	101	0.61	0.71	-0.86	11	50	36	4
Thurston	531	3.20	3.66	-0.87	216	81	233	1
Wahkiakum	15	0.09	0.14	-0.64	0	11	4	0
Walla Walla	152	0.92	0.83	+1.11	94	26	32	0
Whatcom	419	2.52	2.30	+1.10	203	81	130	5
Whitman	103	0.62	1.13	-0.55	34	30	28	11
Yakima	<u>770</u>	4.64	3.75	+1.24	329	123	290	12
Total	16,609							

STATE OF WASHINGTON

OCCUPANT RESTRAINT EFFECTIVENESS SUMMARY
1980 - 1984

	<u>1984</u>	<u>%</u>	<u>1983</u>	<u>%</u>	<u>1982</u>	<u>%</u>	<u>1981</u>	<u>%</u>	<u>1980</u>	<u>%</u>
Restraints Used	45,214	27.9	31,751	21.0	24,763	17.8	25,190	15.9	27,018	17.4
No Restraints Used	116,299	72.0	119,670	79.0	114,686	82.2	132,921	84.1	128,264	82.6
Total	161,513	100.0	151,421	100.0	139,449	100.0	158,111	100.0	155,282	100.0

TYPES OF RESTRAINTS USED BY SEVERITY OF INJURY - 1984

Type	<u>Number Used</u>		<u>Deaths</u>		<u>Disabling Inj.</u>		<u>Evident Injury</u>		<u>Possible Injury</u>		<u>No Injury</u>	
	<u>Number</u>	<u>%</u>	<u>Number</u>	<u>%</u>	<u>Number</u>	<u>%</u>	<u>Number</u>	<u>%</u>	<u>Number</u>	<u>%</u>	<u>Number</u>	<u>%</u>
Lap Belt	15,750	9.7	16	3.0	255	4.8	1,211	7.0	1,703	8.6	12,560	10.5
Shoulder Belt	2,249	1.3	2	0.3	23	0.4	177	1.0	293	1.4	1,751	1.4
Lap & Shoulder	25,280	15.8	31	5.8	428	8.1	1,811	10.4	3,497	17.8	19,504	16.4
Child Restraint	1,916	1.1	1	0.1	9	0.1	113	0.6	141	0.7	1,651	1.3
Air Bag (Activated)	19	*	0	0.0	1	*	0	0.0	3	*	15	*
No Re-straints	116,299	72.1	478	90.8	4,523	86.7	13,932	81.0	13,970	71.5	83,361	70.4
Total Occupants	161,513	100.0	528	100.0	5,239	100.0	17,255	100.0	19,607	100.0	118,841	100.0

*Less than 1/10 of 1 percent.

COMPARISON OF RESTRAINT USAGE AND NON-USAGE
BY SEVERITY OF INJURY
1984

	Restraints Used		Restraints Not Used		Over/Under Ratio*
	Number	%	Number	%	
Deaths	50	0.1	478	0.4	4.00:1
Disabling Injuries	716	1.6	4,523	3.9	2.44:1
Evident Injuries	3,312	7.3	13,932	12.0	1.64:1
Possible Injuries	5,637	12.5	13,970	12.0	.96:1
No Injury	35,481	78.5	83,361	71.7	.91:1
Totals	45,196	100.0	116,264	100.0	

*Based on 1984 collision data an occupant who does not "buckle up" is four times as likely to be killed and over twice as likely to be seriously injured as one who does "buckle up."

OCCUPANT RESTRAINT RATES BY SEX AND AGE
1980 - 1984

Occupant	Restraint Usage (%)				
	1984	1983	1982	1981	1980
Male Driver	27.3	22.0	19.1	17.4	19.3
Female Driver	31.4	23.6	20.0	18.2	19.9
Male Passenger	26.4	14.8	11.2	9.9	10.6
Female Passenger	28.4	18.9	15.3	12.6	13.5
<u>Ages</u>					
0 - 5	47.3	42.3	32.2	26.1	24.0
6 - 15	24.9	14.8	11.5	9.6	9.7
16 - 19	19.6	14.0	11.5	11.7	12.0
20 - 24	22.0	16.3	14.3	13.4	14.8
25 - 34	29.5	23.0	19.6	17.5	19.4
35 - 64	32.0	23.3	22.2	20.3	22.3
65 and Over	27.6	21.4	18.3	19.5	18.0

PEDESTRIANS/VEHICLE COLLISIONS
Pedestrians Killed and Injured
1980 - 1984

	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>4 Year Average</u>	<u>1984</u>	<u>1984 to 4 Yr. Ave.</u>
<u>Statewide</u>							
Pedestrians Killed	108	121	94	88	103	97	- 5.8%
Pedestrians Injured	1,906	1,696	1,598	1,613	1,703	1,710	+ 0.4%
<u>Urban</u>							
Pedestrians Killed	50	52	40	44	46	46	NC
Pedestrians Injured	1,355	1,239	1,155	1,177	1,232	1,261	+ 2.4%
<u>Rural</u>							
Pedestrians Killed	58	69	54	44	56	51	- 8.9%
Pedestrians Injured	551	460	443	436	472	449	- 4.9%

ACTIONS OF PEDESTRIANS KILLED AND INJURED - 1984

<u>URBAN AREAS</u>	<u>No. Killed</u>	<u>% of Total</u>	<u>Total Killed or Inj.</u>	<u>% of Total</u>	<u>Age 0-4</u>	<u>Age 5-14</u>	<u>Age 15-24</u>	<u>Age 25-64</u>	<u>Age 65 & Up</u>	<u>Not Stated</u>
Crossing, entering roadway at intersection	15	32.6%	636	48.5%	11	107	110	267	108	33
Not at intersection	19	41.3%	396	30.2%	35	150	65	103	29	14
Walking with traffic	2	4.3%	19	1.5%	0	3	5	8	2	1
Walking against traffic	1	2.2%	9	0.6%	0	1	2	3	1	2
Standing or working in roadway	1	2.2%	67	5.1%	4	1	20	36	2	4
Playing in roadway	1	2.2%	14	1.0%	6	4	4	0	0	0
Lying in roadway	2	4.3%	4	0.3%	1	0	1	2	0	0
Not in roadway	3	6.5%	92	7.0%	2	11	23	44	8	4
Other & Not Stated	2	4.3%	73	5.6%	4	15	18	26	5	5
TOTAL	46	100.0%	1,310	100.0%	63	292	248	489	155	63
Percent of Total Killed or Injured					4.8%	22.3%	18.9%	37.3%	11.8%	4.8%

<u>RURAL AREAS</u>	<u>No. Killed</u>	<u>% of Total</u>	<u>Total Killed or Inj.</u>	<u>% of Total</u>	<u>Age 0-4</u>	<u>Age 5-14</u>	<u>Age 15-24</u>	<u>Age 25-64</u>	<u>Age 65 & Up</u>	<u>Not Stated</u>
Crossing, entering roadway at intersection	5	9.8%	92	18.4%	1	24	25	26	12	4
Not at intersection	22	43.1%	170	33.9%	15	71	35	35	12	2
Walking with traffic	5	9.8%	32	6.4%	0	4	15	7	5	1
Walking against traffic	1	2.0%	8	1.6%	0	2	4	2	0	0
Standing or working in roadway	4	7.8%	36	7.2%	1	1	9	21	2	2
Playing in roadway	1	2.0%	8	1.6%	1	4	0	1	0	2
Lying in roadway	2	3.9%	3	0.6%	0	0	1	2	0	0
Not in roadway	8	15.7%	107	21.4%	2	18	46	32	3	6
Other & Not Stated	3	5.9%	45	9.0%	0	7	15	17	0	6
TOTAL	51	100.0%	501	100.0%	20	131	150	143	34	23
Percent of Total Killed or Injured					4.0%	26.1%	29.9%	28.5%	6.8%	4.6%

