



Ministry of Health  
Government of Pakistan



## Road Traffic Injury Research & Prevention Centre

### Half yearly Report

From

Jan 09 to June 09

Department of Neuro-Surgery, Ward 16, Jinnah Postgraduate Medical Centre,  
Rafiquee Shaheed Road, Karachi – 75510, Pakistan  
Tele: 9207377, Email: [rtiproject@gmail.com](mailto:rtiproject@gmail.com)



INDUS MOTOR COMPANY LIMITED



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## JAN 09 TO JUNE 09 RESULTS

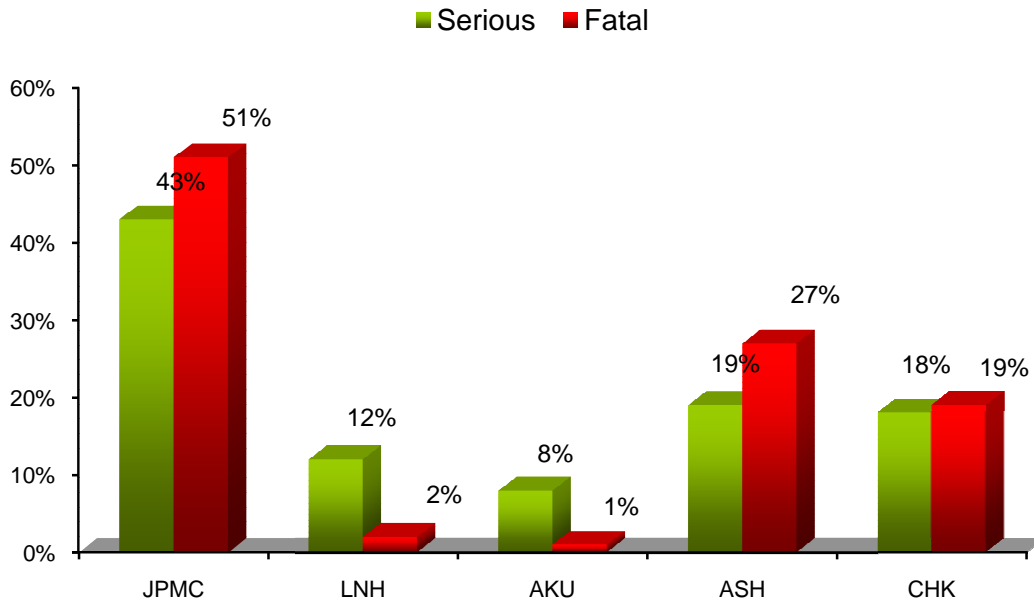
### TOTAL INJURY & ACCIDENT OF 2009

Total Injury & Accident	Frequency
Total Injury	14877
Total Accident	12433

### CENTER WISE SEVERITY

Center	Minor	Percent	Serious	Percent	Fatal	Percent
JPMC	4355	38%	1222	43%	311	51%
LNH	187	2%	333	12%	10	2%
AKU	101	1%	240	8%	6	1%
ASH	3884	34%	560	19%	166	27%
CHK	2855	25%	520	18%	117	19%
Total	11382	100%	2875	100%	610	100%

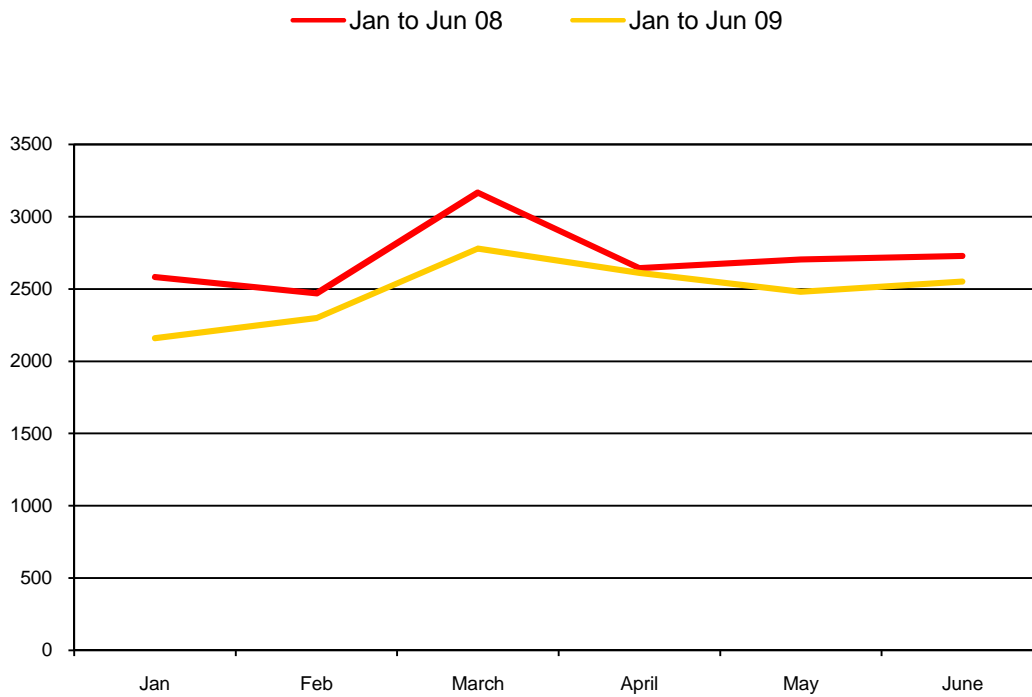
The overall accident data shows that the highest number of accident cases were recorded in JPMC covering 40% followed by ASH covering 31% of the total data respectively



## MONTH WISE INJURY

Months	2008	Percent	2009	Percent
Jan	2582	16%	2158	15%
Feb	2469	15%	2297	15%
March	3167	19%	2779	19%
April	2645	16%	2610	18%
May	2704	17%	2481	17%
June	2728	17%	2552	17%
Total	16295	100%	14877	100%

The half yearly data of 2009 shows that the highest number of injuries occurs in the month of March covering 19% of the total data.



## DISPOSAL (SEVERITY)

Disposal	2008	Percent	2009	Percent	Variation
Minor	12494	77%	11382	77%	-9%
Serious	3219	20%	2885	19%	-10%
Fatal	582	4%	610	4%	5%
Total	16295	100%	14877	100%	-9%

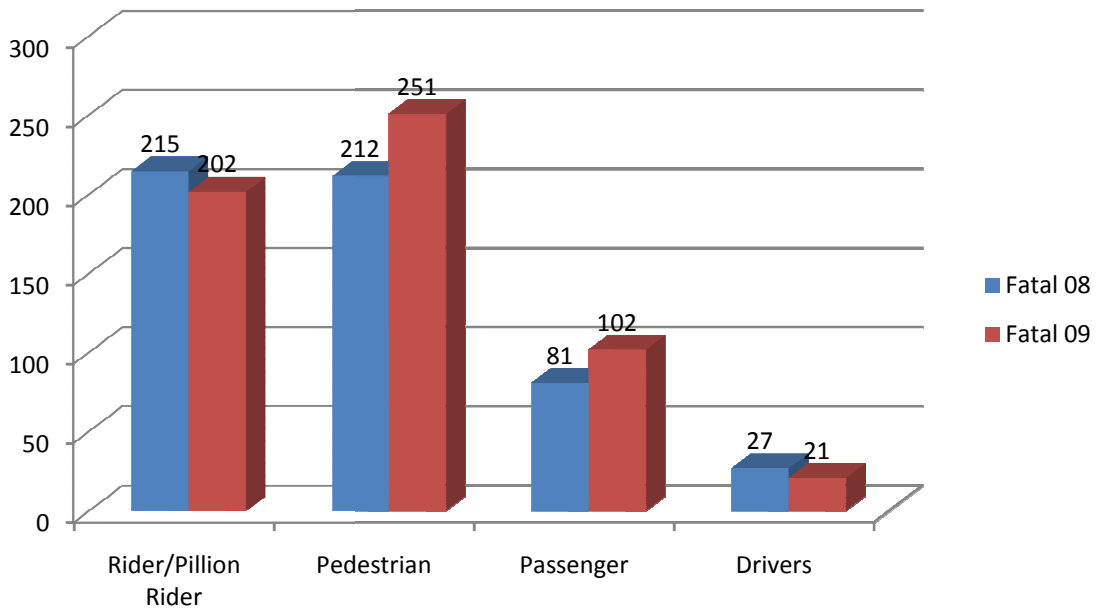
A decrease of 9% and 10% in minor and serious cases while an increase of 5% in the fatal cases have been observed while comparing the half yearly data of 2008 & 2009.

## ROAD USER GROUP

Road User Group	Minor		Serious		Fatal	
	2008	2009	2008	2009	2008	2009
Rider/Pillion Rider	8263	6480	1579	1315	215	202
Pedestrian	2419	2685	799	766	212	251
Passenger	1233	1446	378	362	81	102
Drivers	279	347	94	105	27	21
Unknown	17	78	9	32	47	34
Total	12211	11036	2859	2580	582	610

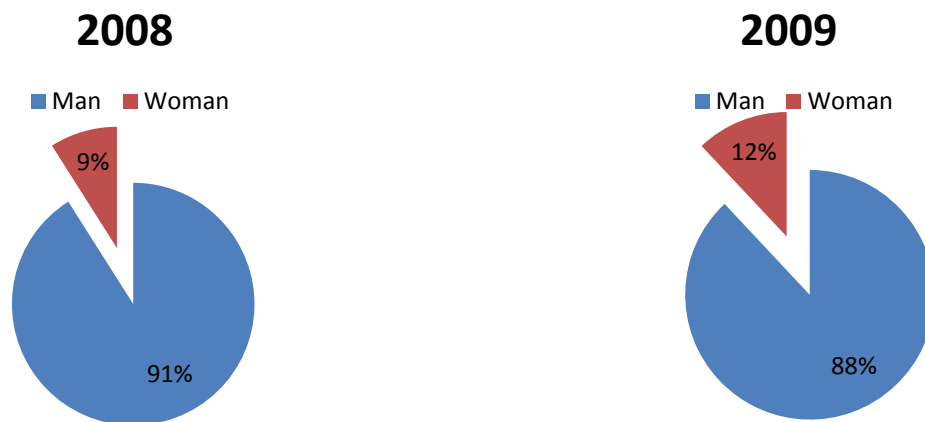
The half yearly data of 2009 shows that riders cover 56% while pedestrians cover 26% of the total accident data.

The comparison of the fatal data shows that the Rider decreases by 6% while the Pedestrian and Passengers increase by 18% and 26% respectively.



## INJURY SEVERITY BASED ON GENDER

Gender	2008	Percent	2009	Percent
Male	14849	91%	13081	88%
Female	1446	9%	1796	12%
Total	16295	100%	14877	100%

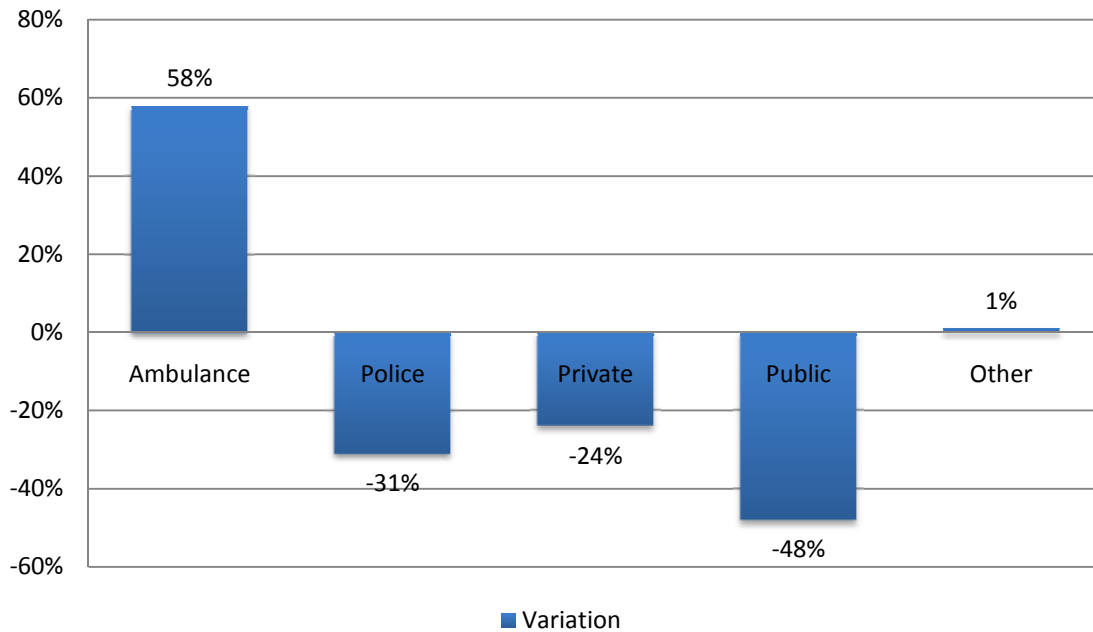


A decreasing trend has been observed in the male victims while an increasing trend has been seen in the female victims of accidents while comparing the half yearly data of 2008 and 2009.

## MODE OF ARRIVAL

Arrived by	2008	Percent	2009	Percent	Variation
Ambulance	3019	19%	4758	32%	58%
Police	169	1%	116	1%	-31%
Private	11645	71%	8792	59%	-24%
Public	541	3%	279	2%	-48%
Other	921	6%	932	6%	1%
Total	16295	100%	14877	100%	-9%

The data of 2009 shows that the highest number of accident cases arrives in the hospital through private vehicle covering 59% of the total data. The comparison shows that the efficiency of the ambulance service is enhanced by 58%.





## VEHICLE INVOLVEMENT

Vehicle Involvement	2008	Percent	2009	Percent	Variation
Motorbike	12537	59%	9891	54%	-21%
Mini Van / Coaster	515	2%	772	4%	50%
Bus / Mini Bus / Coach	1438	7%	1449	8%	1%
Truck	588	3%	468	3%	-20%
Taxi	287	1%	261	1%	-9%
Bicycle	335	2%	343	2%	2%
Car	2514	12%	2284	12%	-9%
Water / Oil Tanker	111	1%	81	0%	-27%
Rickshaw	895	4%	951	5%	6%
Dumper	168	1%	186	1%	11%
Trailer	237	1%	193	1%	-19%
Loading Pickup	670	3%	678	4%	1%
Others	1022	5%	821	4%	-20%
Total	21317	100%	18378	100%	-14%
Public Transport	3135	14%	3433	18%	10%
Goods Vehicle	1774	9%	1606	9%	-9%

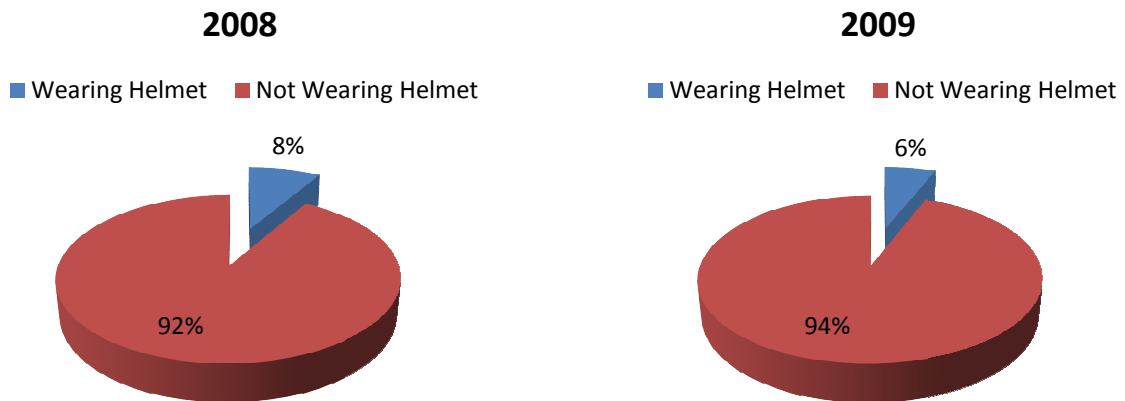
The data of 2009 shows that the motorbike was involved in most of the accidents covering 54% followed by car covering 12% respectively.

As far as public transport is concerned, an increment of 10% has been observed while for goods vehicle a decrement of 9% has been seen through the comparison of 2008& 2009 data.

## HELMET ISSUES

If Patient is Motorbike Rider	2008	Percent	2009	Percent
Wearing Helmet	689	8%	370	6%
Not Wearing Helmet	7479	92%	5968	94%
Total	8168	100%	6338	100%

The data comparison shows that a significant decrease in the helmet wearing has been observed. A decrement of 46% has been found out from the data.



## TOWN WISE SEVERITY

Towns 2009	Minor		Serious		Fatal	
	2008	2009	2008	2009	2008	2009
Saddar Town	2430	1656	226	185	55	32
Jamshed Town	1502	1086	267	206	41	31
Liaquatabad Town	1153	947	162	100	31	18
Korangi Town	759	666	277	170	53	47
Gulshan-e-Iqbal Town	613	554	234	268	33	28
North Nazimabad Town	917	682	106	87	18	12
New Karachi Town	569	525	206	138	25	25
Site Town	572	475	112	94	24	33
Kiamari Town	290	337	64	81	23	27
Gadap Town	210	264	101	112	29	34
Baldia Town	330	241	111	90	34	23
Bin Qasim Town	151	188	132	100	29	28
Gulberg Town	227	218	61	74	20	21
Landhi Town	173	188	69	90	10	17
Malir Town	137	181	98	82	6	13
Lyari Town	228	188	43	33	12	12
Orangi Town	278	173	85	42	15	11
Shah Faisal Town	80	114	28	49	3	12
DHA	607	394	81	78	18	19
Cantonment	749	559	127	106	22	27
Unknown & Out of City Location	519	1746	495	690	81	140
<b>Total</b>	<b>12494</b>	<b>11382</b>	<b>3085</b>	<b>2875</b>	<b>582</b>	<b>610</b>

The in-city half yearly data of 2009 shows that the highest accident cases were reported in Saddar town covering 15% followed by Jamshed Town covering 11% of the total accident data respectively.

## ROAD USER GROUP WITH ROADS

Roads	Rider/Pillion Rider	Pedestrian	Passenger	Drivers	Unknown	Total
Shahrah-e-Faisal	440	207	73	23	2	745
MA Jinnah Road	444	179	63	21	11	718
National Highway	268	117	270	28	5	688
Korangi Road	394	167	35	13	0	609
Nawab Sadiq Ali Khan Road	295	60	24	9	0	388
Ch Fazal Ellahi Road	204	105	34	10	1	354
Shahrah-e-Shah Suri	233	61	21	12	1	328
University Road	163	125	25	11	2	326
Super Highway	79	47	144	33	15	318
Mauripur Road	111	104	26	9	5	255
Site Avenue	141	51	42	7	1	242
Manghupir Road	139	66	20	4	3	232
Hub River Road	98	43	62	16	9	228
Rashid Minhas Road	104	72	16	12	1	205
Korangi Industrial Area Road	120	53	15	3	1	192
Hakim Ibn-e-Sina Road	125	48	12	2	1	188
Main Korangi Road	112	37	33	5	0	187
Shahrah-e-Pakistan	96	46	11	3	0	156
SM Toufiq Road	82	41	17	2	0	142
Nishtar Road	84	40	7	1	0	132
MT Khan Road	84	29	13	2	0	128
Shahrah-e-Orangi	72	31	7	0	0	110
Khy-e-Iqbal	59	19	15	3	1	97
Shahrah-e-Liaquat	62	8	11	7	0	88
Rafique Shaheed Road	43	16	7	0	0	66
Sea View Road	49	4	7	1	0	61
Sarwer Shaheed Road	29	6	6	2	0	43
Ch Khaliq-uz-zaman Road	4	4	3	0	0	11
Residential Road	408	330	31	5	0	774
Low Road	316	260	28	14	3	621

## ROAD USER GROUP WITH MAJOR ROAD (COMPARISON)

Roads Name	Rider/Pillion Rider		Pedestrian		Passenger		Drivers	
	2008	2009	2008	2009	2008	2009	2008	2009
Shahrah-e-Faisal	669	440	214	207	102	73	21	23
MA Jinnah Road	570	444	163	179	57	63	15	21
Korangi Road	480	394	191	167	79	35	10	13
Nawab Sadiq Ali Khan Road	367	295	64	60	26	24	7	9
National Highway	323	268	109	117	196	270	39	28
Shahrah-e-Sher Shah Suri Road	298	233	51	61	17	21	4	12
Main Korangi Road	254	112	86	37	34	33	14	5
Ch Fazal Ellahi Road	247	204	91	105	18	34	4	10
Site Avenue	240	141	70	51	42	42	11	7
Nishtar Road	231	84	82	40	19	7	3	1
University Road	226	163	96	125	29	25	9	11
Hakim Ibn-e-Sina Road	211	125	51	48	20	12	3	2
Korangi Industrial Area Road	201	120	67	53	22	15	7	3
Manghupir Road	199	139	66	66	26	20	6	4
Hub River Road	183	98	58	43	81	62	12	16
Sea View Road	163	49	7	4	10	7	4	1
SM Toufiq Road	156	82	67	41	12	17	4	2
Mauripur Road	139	111	100	104	16	26	10	9
Shahrah-e-Orangi	132	72	54	31	15	7	4	0
MT Khan Road	131	84	31	29	21	13	5	2
Rashid Minhas Road	124	104	35	72	14	16	5	12
Sarwer Shaheed Road	111	29	24	6	6	6	2	2
Super Highway	106	79	46	47	121	144	37	33
Shahrah-e-Pakistan	99	96	42	46	14	11	5	3
Khy-e-Iqbal	97	59	33	19	12	15	4	3
Rafique Shaheed Road	87	43	23	16	10	7	0	0
Shahrah-e-Liaquat	86	62	20	8	6	11	3	7
Ch Khaliq-uz-zaman Road	45	4	18	4	9	3	3	0
Low Road	656	316	304	260	39	28	8	14
Residential Road	262	408	234	330	13	31	3	5

The data of 2009 shows that out of the total 28 high speed and high volume roads, the highest victims of accidents were reported on Shahrah-e-faisal covering 10% of the total data.

In 2009, the highest accident cases of riders/pillions were reported on MA Jinnah Road, for pedestrians the highest was on Shakra-e-Faisal, for passenger it was National Highway while for drivers the highest cases were reported cases from Super Highway.

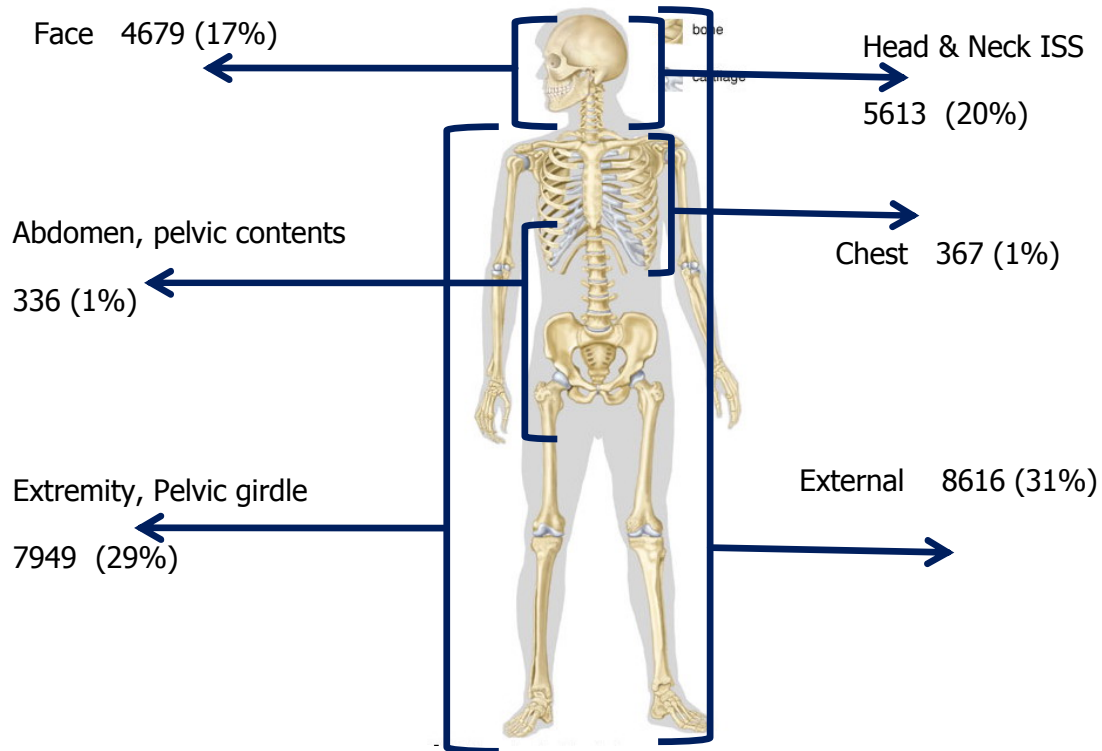
## AGE GROUP WITH ROAD USER GROUP

Age Group	Rider/Pillion Rider		Pedestrian		Passenger		Drivers	
	2008	2009	2008	2009	2008	2009	2008	2009
<= 15	839	851	900	1021	223	286	2	2
16 - 20	2413	1425	385	377	247	288	34	41
21 - 25	2556	1811	399	366	350	358	99	105
26 - 30	1653	1368	318	341	259	273	73	99
31 - 35	874	839	214	233	168	183	70	70
36 - 40	663	623	261	252	134	176	39	58
41 - 45	436	432	168	215	87	109	29	39
46 - 50	254	282	212	240	84	95	15	26
51 - 55	146	136	119	143	43	35	16	12
56 - 60	107	121	219	221	59	56	10	16
61 +	87	84	225	275	43	40	12	3
Total	10028	7972	3420	3684	1697	1899	399	471

In 2009 the maximum number of injuries recorded is of the age group 21-25 years (19%) followed by young children of age group less than 15 years of age (15%).

## INJURY TO BODY PARTS

(JAN 09- JUNE 09)



When grouping the whole injuries for the half yearly data of 2009, it has been observed that the external injuries were more frequently reported covering 31% of all injuries followed by extremity and pelvic girdle injuries covering 29%. A total of 5613 of Head & neck injuries and 4679 of face injuries were also reported.

## IMMEDIATE FACTORS

(JAN 09 TO JUNE 09)

Brief Description	Jan to June 09	Percent
Over Speeding	4361	20.7%
Road Crossing	3259	15.5%
Over Taking\Lane Jumping	2647	12.6%
Fall (Descending/Ascending/Moving)	677	3.2%
On Turning	935	4.4%
Vehicle Fault /Brake Failure/Tyre Burst	1351	6.4%
Sudden Application Brake	654	3.1%
Wrong Way	825	3.9%
Risky / Vandalism / Adventure /Racing	373	1.8%
Drug Addict / Drunk Driving	103	0.5%
Unskilled Driving	52	0.2%
Signal Violation	259	1.2%
Under Construction/Dilapidated Road	181	0.9%
Walking / Standing	415	2.0%
Bike Slip due to Scarf/Oil/water/Sand/	709	3.4%
Parked Vehicle	94	0.4%
Speed Breaker	290	1.4%
Man Holes	61	0.3%
Misc Causes	3840	18.2%
Total	21086	100%

The table summarizes the major accident contributing causes. The data indicates the most frequently reported accident contributing factor was over speeding followed by road crossing covering 21% and 15% respectively.

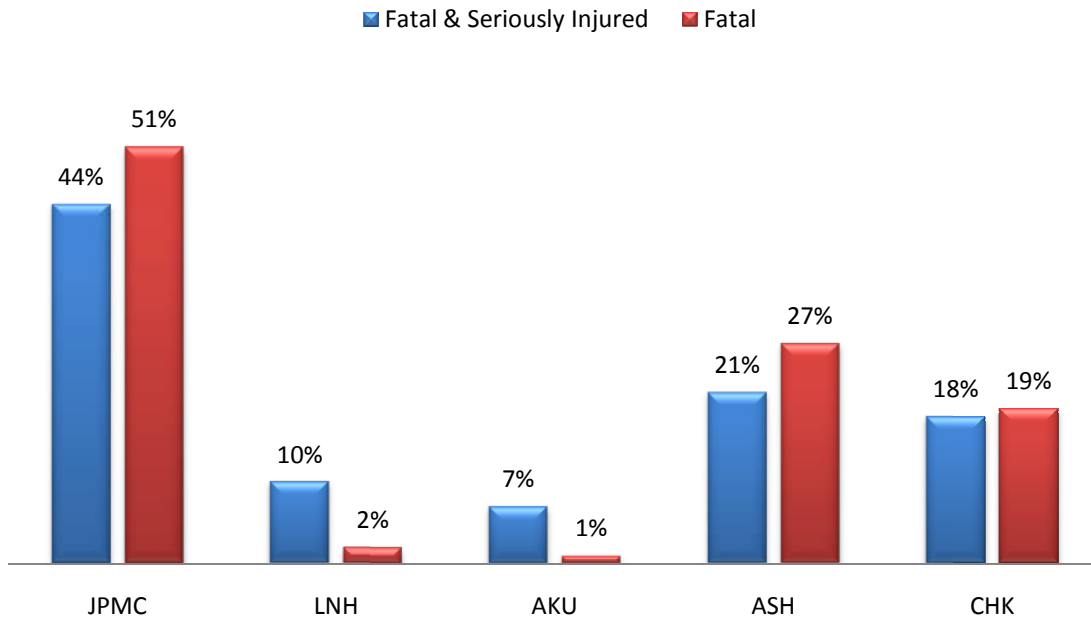


**FATAL & FATAL & SERIOUSLY INJURED  
JAN 09 TO JUNE 09 RESULTS WITH COMPARISON**

## CENTER WISE SEVERITY

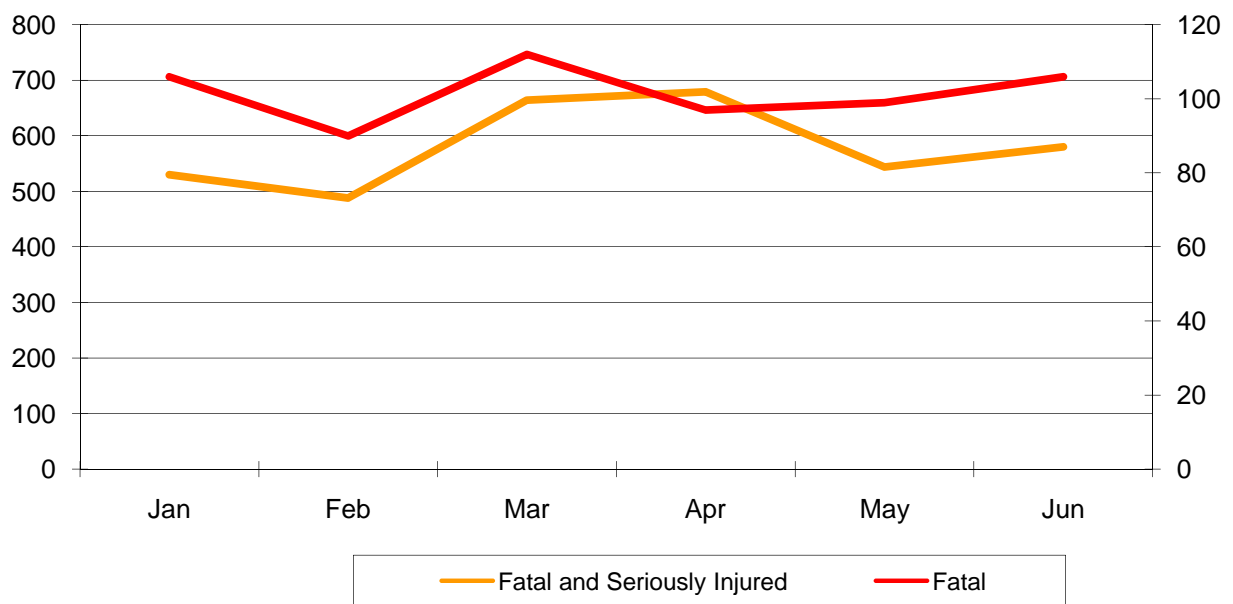
Center	Fatal & Seriously Injured	Percent	Fatal	Percent
JPMC	1536	44%	311	51%
LNH	347	10%	10	2%
AKU	246	7%	6	1%
ASH	727	21%	166	27%
CHK	639	18%	117	19%
Total	3495	100%	610	100%

The fatal & serious data shows that the highest number of accident cases were recorded in JPMC covering 44%.



## MONTH WISE FATAL & FATAL & SERIOUSLY INJURED

Months	Fatal & Seriously Injured	Fatal
Jan	530	106
Feb	489	90
Mar	666	112
Apr	681	97
May	546	99
Jun	583	106



## COMPARISON IN DISPOSAL

Disposal	2008	2009	Variation
Fatal & Seriously Injured	3801	3495	-8%
Fatal	582	610	5%

The comparison shows that the fatal cases increase by 5%.

## COMPARISON IN ROAD USER GROUP

Road User Group	Fatal & Seriously Injured		Fatal	
	2008	2009	2008	2009
Rider/Pillion Rider	1794	1517	215	202
Pedestrian	1011	1017	212	251
Passenger	459	464	81	102
Drivers	121	126	27	21
Unknown	56	66	47	34
Total	3441	3190	582	610

The fatal & serious data of 2009 shows that the rider covers 48% while pedestrian cover 32% respectively. The comparison shows that the rider decrease by 15%.

## TOWN WISE SEVERITY

Towns	Fatal & Seriously Injured		Fatal	
	2008	2009	2008	2009
Saddar Town	281	217	55	32
Jamshed Town	308	237	41	31
Liaquatabad Town	193	118	31	18
Korangi Town	330	217	53	47
Gulshan-e-Iqbal Town	267	296	33	28
North Nazimabad Town	124	99	18	12
New Karachi Town	231	163	25	25
Site Town	136	127	24	33
Kiamari Town	87	108	23	27
Gadap Town	130	146	29	34
Baldia Town	145	113	34	23
Bin Qasim Town	161	128	29	28
Gulberg Town	81	95	20	21
Landhi Town	79	107	10	17
Malir Town	104	95	6	13
Lyari Town	55	45	12	12
Orangi Town	100	53	15	11
Shah Faisal Town	31	61	3	12
DHA	99	97	18	19
Cantonment	149	133	22	27
Unknown & Out of City Location	576	830	81	140
<b>Total</b>	<b>3667</b>	<b>3485</b>	<b>582</b>	<b>610</b>

**TOWN WISE FATAL & SERIOUSLY INJURED  
PER 10000 PERSONS**

Towns	Fatal & Seriously Injured		Population	Fatal & Seriously Injured Per 100000 Persons	
	2008	2009		2008	2009
Baldia Town	145	113	616722	23.5	18.3
Bin Qasim Town	161	128	480679	33.5	26.6
Gadap Town	130	146	439674	29.6	33.2
Gulberg Town	81	95	688580	11.8	13.8
Gulshan-e-Iqbal Town	267	296	949351	28.1	31.2
Jamshed Town	308	237	1114235	27.6	21.3
Kiamari Town	87	108	583640	14.9	18.5
Korangi Town	330	217	829813	39.8	26.2
Landhi Town	79	107	1012391	7.8	10.6
Liaquatabad Town	193	118	985581	19.6	12.0
Lyari Town	55	45	923176	6.0	4.9
Malir Town	104	95	604763	17.2	15.7
New Karachi Town	231	163	1038865	22.2	15.7
North Nazimabad Town	124	99	753423	16.5	13.1
Orangi Town	100	53	1098859	9.1	4.8
Saddar Town	281	217	935566	30.0	23.2
Shah Faisal Town	31	61	509915	6.1	12.0
Site Town	136	127	709944	19.2	17.9
Cantonment	149	133	464882	32.1	28.6
DHA	99	97	379596	26.1	25.6

The 2009 data shows that the highest town having fatal and serious cases per 100,000 population come out to be Gadap town followed by Gulshan-e-Iqbal town.

## ROAD WISE SEVERITY

(Fatalities Per/Km Over Road Having More Than 10 Fatalities Per Year)

Roads	Fatal & Seriously Injured		Road Length	Per KM	
	2008	2009		2008 Per Km	2009 Per Km
Mauripur Road	65	68	4	16.3	17.0
Korangi Road	230	156	10	23.0	15.6
Shahrah-e-USman Ramz	34	13	1.5	22.7	8.7
Nawab Sadiq Ali Khan Road	46	33	4	11.5	8.3
Shahrah-e-Faisal	189	177	13.5	14.0	13.1
Labour Square Road	21	4	2.1	10.0	1.9
Site Avenue	71	61	7	10.1	8.7
Mai Kolachi Road	19	16	3	6.3	5.3
Shahrah-e-Pakistan	42	59	6	7.0	9.8
Khy-e-Jami	8	1	4	2.0	0.3
Korangi Industrial Area Road	103	45	13	7.9	3.5
Ch Fazal Ellahi Road	96	82	8	12.0	10.3
MA Jinnah Road	105	97	11	9.5	8.8
Farooq-e-Azam Road	3	48	4.3	0.7	11.2
National Highway	358	305	30	11.9	10.2
University Road	109	105	12	9.1	8.8
Hub River Road	97	72	15	6.5	4.8
Super Highway	144	137	20	7.2	6.9
Rashid Minhas Road	55	67	7.75	7.1	8.6
Manghupir Road	58	38	16	3.6	2.4
Shahrah-e-Sher Shah Suri Road	43	43	11	3.9	3.9
Hawks Bay Road	28	31	20	1.4	1.6
Northern Bypass	47	55	55	0.9	1.0

The comparative data shows that a considerable decrease in per km cases were observed on Shahra-e-USman Ramz.



**FATAL & FATAL & SERIOUSLY INJURED PEDESTRIAN**  
**PER KM**  
**(JAN 09 TO JUNE 09)**

Pedestrian	Road Length	Fatal & Seriously Injured	Per KM	Fatal	Per KM
Ch Fazal Ellahi Road	8	29	3.6	6	0.8
Farooq-e-Azam Road	4.3	15	3.5	2	0.5
Hawksbay Road	20	0	0	0	0
Hub River Road	15	14	0.9	3	0.2
Khayaban-e-Jami	4	4	1	0	0
Korangi Industrial Area	13	17	1.3	5	0.4
Korangi Road	10	59	5.9	15	1.5
Labour Square Road	2.1	2	1	0	0
MA Jinnah Road	11	34	3.1	6	0.5
Manghopir Road	16	12	0.8	4	0.3
Mauripur Road	4	29	7.3	12	3
National Highway	30	53	1.8	21	0.7
Nawab Sadiq Ali Khan	4	8	2	2	0.5
Northern Bypass	55	6	0.1	2	0
Rashid Minhas Road	7.75	22	2.8	5	0.6
Shahra-e-Usman Ramz	1.5	5	3.3	0	0
Shahrah-e-Faisal	13.5	62	4.6	19	1.4
Shahrah-e-Pakistan	6	23	3.8	7	1.2
Shahrah-e-Sher Shah Suri Road	4	10	2.5	2	0.5
Site Avenue	7	14	2	7	1
Super Highway	20	21	1.1	7	0.4
University Road	12	45	3.8	3	0.3

The highest per km cases of pedestrian were observed on Korangi Road.

**FATAL & SERIOUSLY INJURED OF PEDESTRIAN  
PER KM**

Roads	Pedestrian		Road Length	Per KM 2008	
	2008	2009		Per KM 2008	Per KM 2009
Ch Fazal Ellahi Road	34	29	8	4.3	3.6
Farooq-e-Azam Road	0	15	4.3	0.0	3.5
Hawksbay Road	3	0	20	0.2	0.0
Hub River Road	24	14	15	1.6	0.9
Khayaban-e-Jami	4	4	4	1.0	1.0
Korangi Industrial Area	27	17	13	2.1	1.3
Korangi Road	65	59	10	6.5	5.9
Labour Square Road	5	2	2.1	2.4	1.0
MA Jinnah Road	30	34	11	2.7	3.1
Manghopir Road	17	12	16	1.1	0.8
Mauripur Road	29	29	4	7.3	7.3
National Highway	60	53	30	2.0	1.8
Nawab Sadiq Ali Khan	16	8	4	4.0	2.0
Northern Bypass	6	6	55	0.1	0.1
Rashid Minhas Road	10	22	7.75	1.3	2.8
Shahra-e-Usman Ramz	14	5	1.5	9.3	3.3
Shahrah-e-Faisal	70	62	13.5	5.2	4.6
Shahrah-e-Pakistan	12	23	6	2.0	3.8
Shahrah-e-Sher Shah Suri Road	19	10	4	4.8	2.5
Site Avenue	23	14	7	3.3	2.0
Super Highway	22	21	20	1.1	1.1
University Road	40	45	12	3.3	3.8

## ROAD USER GROUP WITH MAJOR ARTERIALS

Fatal & Seriously Injured	Rider/Pillion Rider		Pedestrian		Passenger		Drivers	
	2008	2009	2008	2009	2008	2009	2008	2009
Shahrah-e-Faisal	91	84	70	64	22	13	6	6
MA Jinnah Road	60	41	30	34	7	12	2	4
Korangi Road	132	80	65	59	23	5	4	4
Nawab Sadiq Ali Khan Road	26	19	16	8	2	2	2	1
National Highway	167	115	61	54	92	100	24	14
Shahrah-e-Sher Shah Suri Road	20	23	19	11	1	2	0	0
Main Korangi Road	22	10	18	7	4	1	5	1
Ch Fazal Ellahi Road	53	48	35	29	6	1	0	1
Site Avenue	39	30	26	14	7	14	1	3
Nishtar Road	13	5	16	4	1	0	2	1
University Road	58	43	42	46	7	3	1	1
Hakim Ibn-e-Sina Road	28	7	14	5	4	1	0	0
Korangi Industrial Area Road	62	21	27	17	4	3	2	1
Manghupir Road	37	19	18	14	5	5	1	1
Hub River Road	51	30	25	16	20	15	1	7
Sea View Road	21	6	1	3	4	2	0	0
SM Toufiq Road	22	10	19	19	2	4	0	0
Mauripur Road	33	27	17	12	1	7	0	3
Shahrah-e-Orangi	39	17	22	4	6	2	0	0
MT Khan Road	20	10	6	3	3	1	0	0
Rashid Minhas Road	37	29	10	24	7	4	2	4
Sarwer Shaheed Road	6	3	3	0	0	0	0	0
Super Highway	55	32	22	24	44	46	21	12
Shahrah-e-Pakistan	28	23	12	23	1	3	0	2
Khy-e-Iqbal	11	10	4	5	5	1	2	0
Rafique Shaheed Road	3	1	3	3	0	0	0	0
Shahrah-e-Liaquat	1	3	2	4	1	0	3	0
Ch Khaliq-uz-zaman Road	4	1	6	1	4	0	0	0
Low Road	107	54	61	52	7	8	3	2
Residential Road	40	51	55	60	5	9	0	2

## VEHICLE INVOLVEMENT

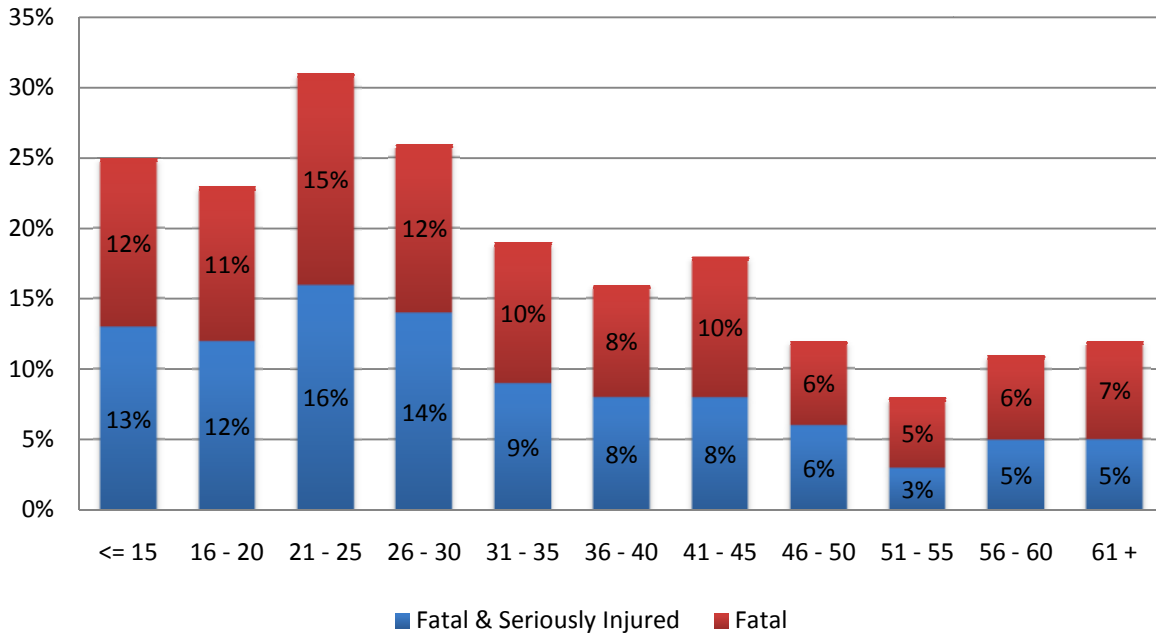
Vehicle Involvement	Fatal & Seriously Injured	Percent	Fatal	Percent
Motorbike	1925	45%	245	30%
Mini Van / Coaster	228	5%	46	6%
Bus / Mini Bus / Coach	418	10%	102	13%
Truck	179	4%	52	6%
Taxi	53	1%	9	1%
Bicycle	74	2%	13	2%
Car	556	13%	89	11%
Water / Oil Tanker	35	1%	16	2%
Rickshaw	130	3%	12	1%
Dumper	79	2%	33	4%
Trailer	97	2%	33	4%
Loading Pickup	194	4%	52	6%
Others	344	8%	113	14%
Total	4312	100%	815	100%
<b>Public Transport</b>	829	19%	169	21%
<b>Goods Vehicle</b>	584	14%	186	23%

The data shows that in most of the fatal & serious accidents the highest involvement was of motorbike.

## AGE GROUP WITH SEVERITY

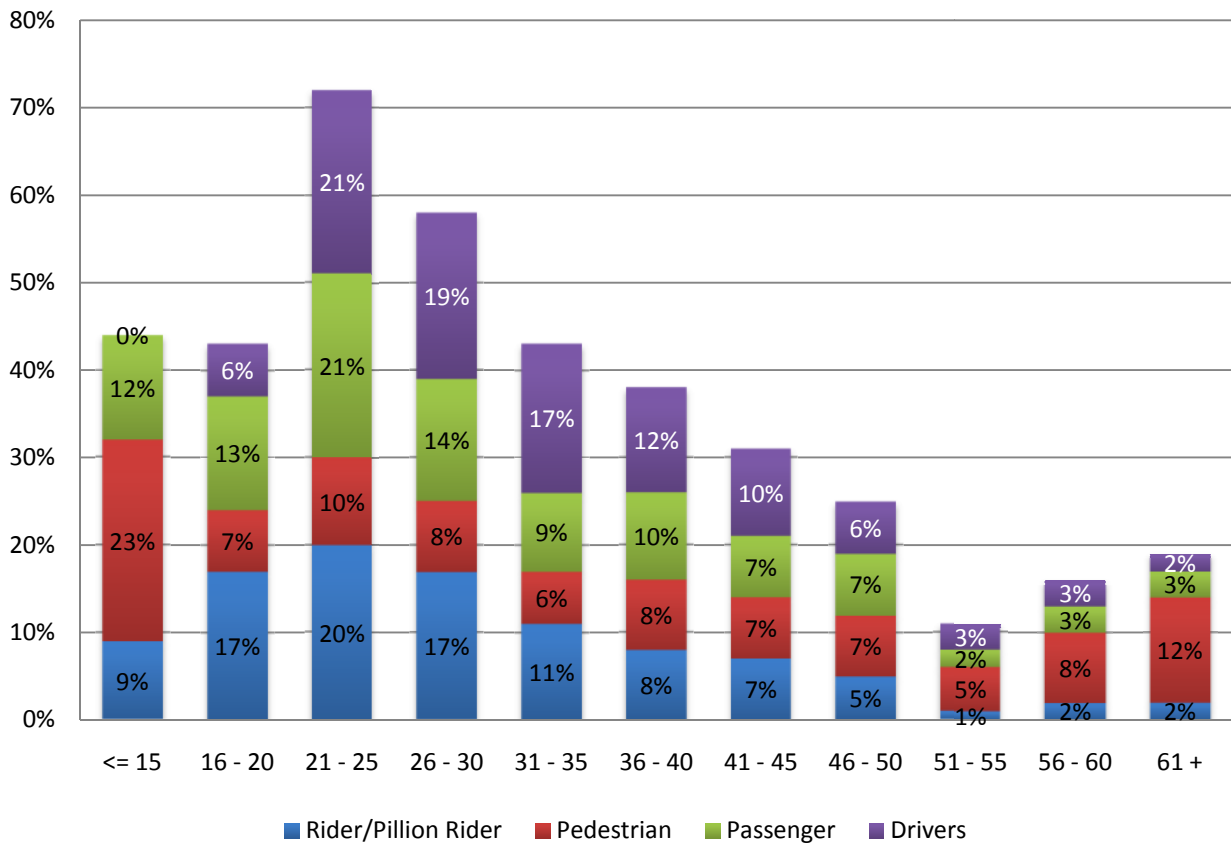
Age Group	Fatal & Seriously Injured	Percent	Fatal	Fatal Percent
<= 15	459	13%	73	12%
16 - 20	427	12%	62	11%
21 - 25	570	16%	89	15%
26 - 30	468	14%	69	12%
31 - 35	328	9%	58	10%
36 - 40	291	8%	46	8%
41 - 45	263	8%	58	10%
46 - 50	209	6%	33	6%
51 - 55	96	3%	27	5%
56 - 60	158	5%	33	6%
61 +	187	5%	39	7%
Total	3456	100%	587	100%

The fatal & serious data shows that children below 15 years cover 13% while the youth (21-50 years) covers 61%.



## AGE GROUP WITH ROAD USER GROUP

Age	Rider/Pillion Rider	Percent	Pedestrian	Percent	Passenger	Percent	Drivers	Percent
<= 15	133	9%	245	23%	56	12%	0	0%
16 - 20	262	17%	72	7%	59	13%	7	6%
21 - 25	297	20%	102	10%	94	21%	27	21%
26 - 30	257	17%	85	8%	64	14%	24	19%
31 - 35	172	11%	59	6%	40	9%	22	17%
36 - 40	117	8%	82	8%	44	10%	15	12%
41 - 45	111	7%	71	7%	34	7%	13	10%
46 - 50	81	5%	78	7%	30	7%	8	6%
51 - 55	20	1%	52	5%	8	2%	4	3%
56 - 60	33	2%	82	8%	16	3%	4	3%
61 +	29	2%	128	12%	13	3%	2	2%
<b>Total</b>	<b>1512</b>	<b>100%</b>	<b>1056</b>	<b>100%</b>	<b>458</b>	<b>100%</b>	<b>126</b>	<b>100%</b>

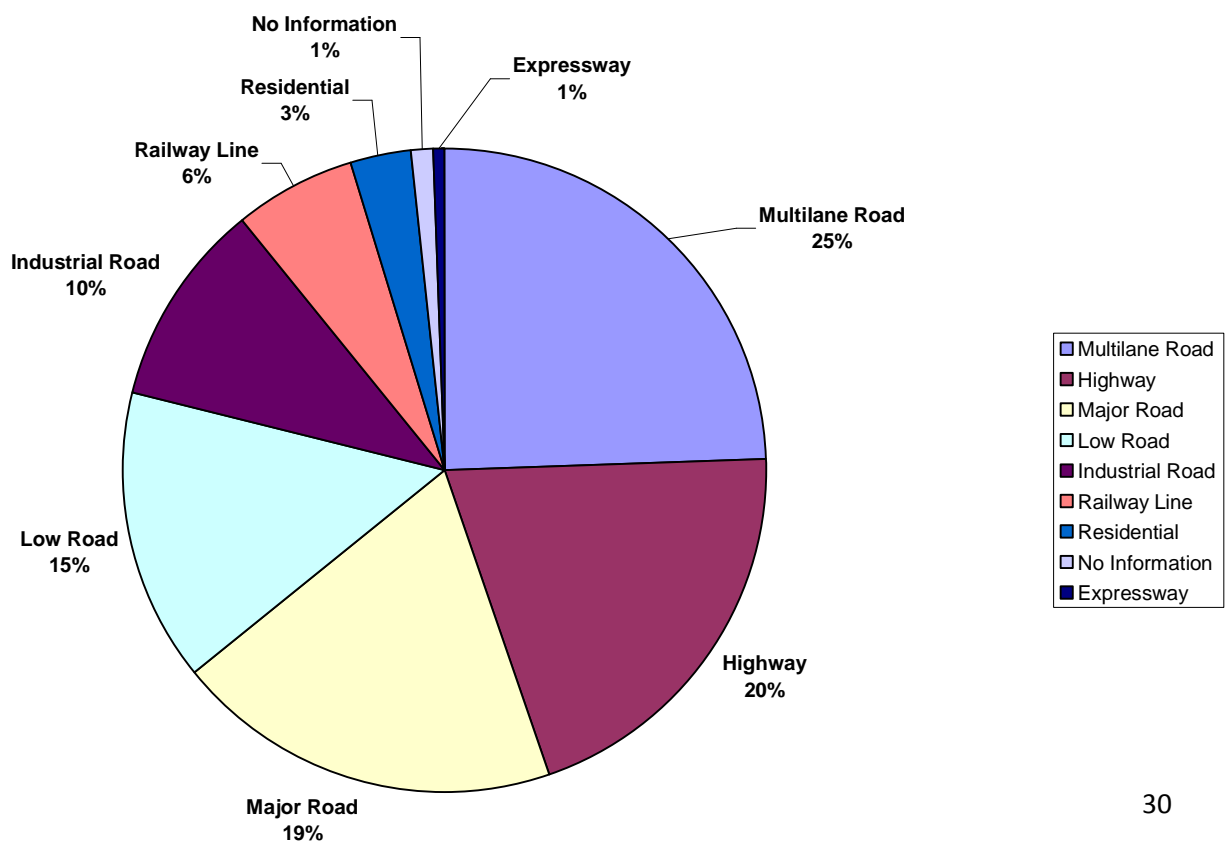


## **GIS SECTION**

# Half Yearly Analysis of Fatalities in Karachi URBAN

Jan-June 2009

Road Classification	Total
Multilane Road	144
Highway	118
Major Road	114
Low Road	86
Industrial Road	60
Railway Line	37
Residential	18
No Information	5
Expressway	4
<b>Grand Total</b>	<b>586</b>

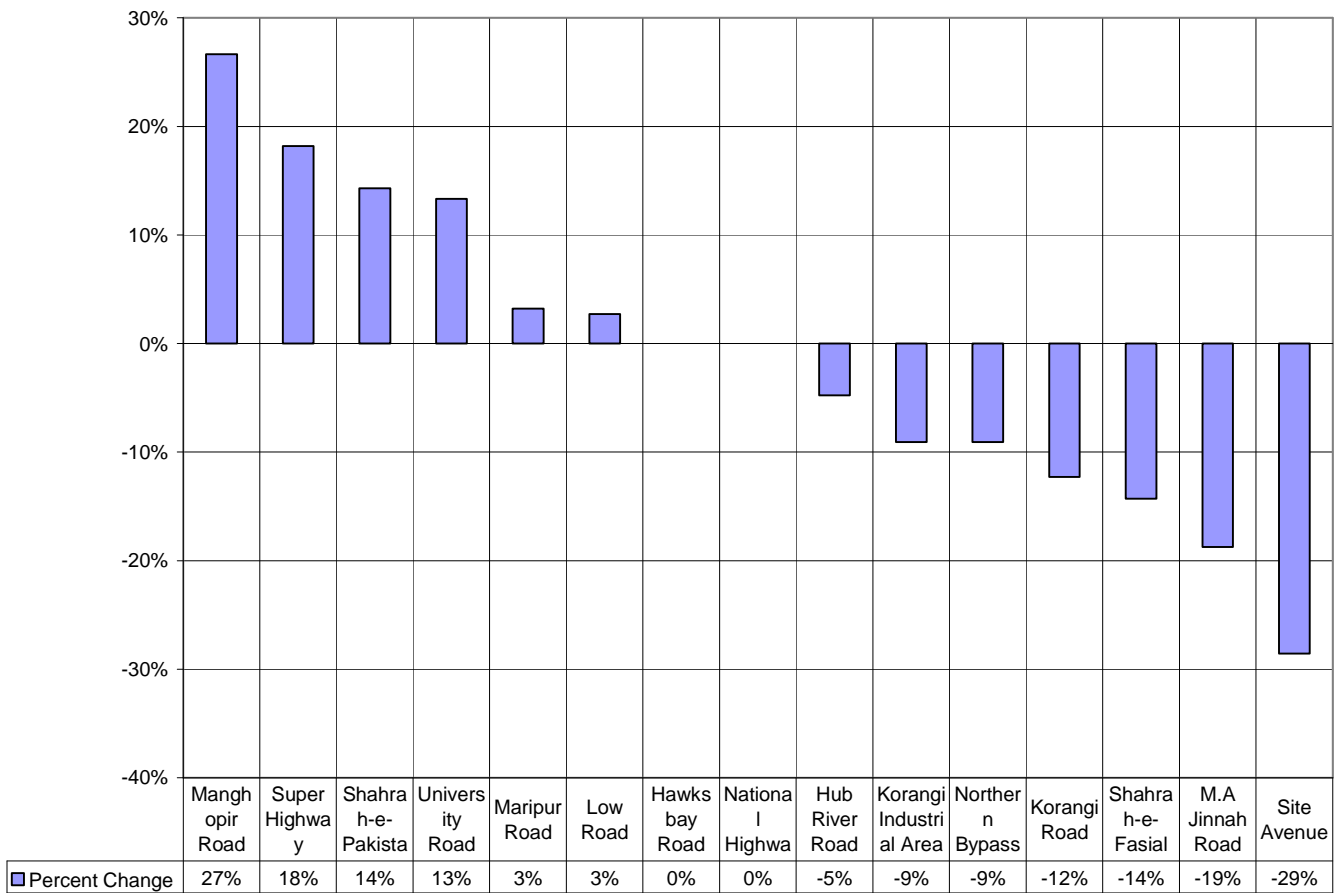




## ROADS HAVING MORE THAN 10 FATALITIES IN SIX MONTH OF EITHER YEAR

Percentage change is calculated to only those Roads that have more than 10 fatalities in both years:

Road	2008	2009	Percent Change
Manghopir Road	11	19	27%
Super Highway	18	26	18%
Shahrah-e-Pakistan	12	16	14%
University Road	13	17	13%
Maripur Road	15	16	3%
Low Road	18	19	3%
Hawksbay Road	11	11	0%
National Highway	31	31	0%
Hub River Road	22	20	-5%
Korangi Industrial Area Road	18	15	-9%
Northern Bypass	18	15	-9%
Korangi Road	32	25	-12%
Shahrah-e-Fasial	36	27	-14%
M.A Jinnah Road	19	13	-19%
Site Avenue	18	10	-29%
MT Khan Road	12	xxx (3)	NA
Nawab Sadiq Ali Khan Road	10	xxx (7)	NA
Shahrah-e-Orangi	12	xxx (5)	NA
Rashid Minhas Road	xxx (6)	14	NA



Temporal Comparison between 2008 & 2009

