

INJURY SURVEILLANCE RESULTS

MBALE REGIONAL REFERRAL HOSPITAL

SEPTEMBER TO NOVEMBER 2008

Injury Control Center – Uganda
P.O.Box 7072, Kampala
Tel/Fax: 256-41-543438
Email: iccu@infocom.co.ug
www.iccu.or.ug

INTRODUCTION

Surveillance is the ongoing systematic collection, analysis, interpretation and dissemination of health information.

The objective of Injury Surveillance is:

To generate data that can be used to describe the Injury Problem, and provide a basis for designing and implementing interventions plus monitoring and evaluating their effectiveness.

This is done by:

- Data collection
- Data analysis
- Intervention design
- Implementation design
- Monitoring and evaluation

DATA ANALYSIS

This aims at:

1. Assessing the magnitude of the problem
2. Describing the population at risk
3. Identifying the risk and associated factors
4. Establishing a trend.

A. ASSESSING THE MAGNITUDE OF THE PROBLEM

1. Number of injury cases

	YEAR 2008			TOTAL
	SEPT	OCT	NOV	
Number of injury cases	48	155	188	391

Note

Data collection started in mid-September

2. The magnitude of injuries by sex in these months

Sex	Number of cases	Percentages
Female	129	32.99%

Male	262	67.01%
Total	391	100.0%

3. The magnitude of injuries by age in the three months

Age group	Number of cases	Percentages
0-4 yrs	26	6.9%
5-14 yrs	65	17.24%
15-24 yrs	94	24.93%
25-44 yrs	141	37.4%
45-64 yrs	32	8.49%
>64 yrs	19	5.04%
Total	377	100.0%

4. The magnitude of injuries by severity

Score for serious injuries	Definition of variable label	Number of cases	Percentages
1	No serious injury	39	10.29%
2	One serious injury	238	62.80%
3	More than one serious injury	102	26.91%
Total		379	100.0%

5. The magnitude of injuries by Nature of Injury in this quarter

Nature of Injury	Number of cases	Percentages
Fracture	105	28.2%
Sprain/strain or dislocation	32	8.6%
Cut/bites or open wound	86	23%
Organ system injury	49	13.1%
Burns	5	1.3%
Concussion/coma	36	9.7%

Bruise or superficial injury	60	16.1%
Total	373	100.0%

B. DESCRIBING THE POPULATION AT RISK

1. The frequency of injuries by Occupation

Occupation	Number of cases	Percentage
Peasant farmer	63	16.41%
Civil servant/Private employee	41	10.68%
Driver/conductor	1	0.26%
Small business owner	34	8.85%
Student/ pupil	27	7.03%
Housewife	10	2.60%
Casual laborer	40	10.42%
Large business owner	86	22.40%
Unemployed	39	10.16%
Child/ baby	33	8.59%
Combatant	2	0.52%
Other	8	2.08%
Total	384	100.0%

2. The frequency of injuries by type of road user

Type of person involved in traffic injury	Number of cases	Percentage
Motor vehicle driver	10	5.41%
Motorcyclist	35	18.9%
Bicyclist	25	13.51%
Pedestrian	49	26.5%
Motor vehicle passenger	16	8.65%

Motorcycle passenger	36	19.46
Bicycle Passenger	14	7.57
Total	185	100.0%
3. IDENTIFYING THE RISK AND ASSOCIATED FACTORS		

1. Number of Injuries by Actual Place of Injury.

Place where injury occurred	Number of cases	Percent
Home	101	29.45%
Industry/ Construction	3	0.87%
Road/Street	199	58.02%
School	8	2.33%
Farm	12	3.50%
Sport/recreation	4	1.17%
Public/commercial place	3	0.87%
River/lake/pool	0	0.0%
Unknown	1	0.29%
Other	10	3.50%
Total	343	100.0%

2. Number of injuries by Cause of Injury

Cause of injury	Number of cases	Percent
Road Traffic	136	38.2%
Fall	104	29.21%
Stab/cut	42	11.80%
Poisoning	10	2.81%
Chocking/hanging	1	0.28%
Blunt force	35	9.83%
Animal/snake bite	10	2.81%
Sexual assault	2	0.56%
Burn	6	1.69%%

Other	10	2.81%
Total	356	100.0%

3. Number of Injuries by Type of Burn Injury

Type of burn injury	Number of cases	Percentages
Flame/smoke	1	25.0%
Hot fluid	2	50.0%
Chemical	1	25.0%
Total	4	100.0%

4. Number of Injuries by Activity at Time of Injury

Activity at time of injury	Number of cases	Percentage
Work	34	8.97%
Education	5	1.32%
Traveling	216	56.99%
Playing/leisure	36	9.50%
Sport	2	0.53%
Unknown	4	1.06%
Other	82	21.63%
Total	379	100.0%

5. Number of Injuries by Intent

Intent	Number of cases	Percentage
Unintentional	299	80.16%
Intentional	74	19.84%
Unknown	0	0.0%
Total	373	100.0%

6. Number of Injuries by Intentional Injuries

Type of intentional injury	Number of cases	Percentage
Self-inflicted	21	38.89%

Assault	33	61.11%
War/civil insurrection	0	0.0%
Total	5	100.0%

7. Number of Injuries by Alcohol Use

Alcohol use at time of injury	Number of cases	Percentage
Suspected/confirmed	58	19.33%
Unknown	214	71.33%
Nil	28	9.33%
Total	300	100.0%

4. ESTABLISH A TREND

1. Patient Disposition

Patient disposition	Number of cases	Percentage
Treated and sent home	79	22.13%
Admitted	271	75.91%
Died at casualty	5	1.40%
Transferred to a higher level facility	2	0.56%
Dead on arrival	0	0.0%
Total	357	100.0%

2. Status at 1 month

Status at four weeks	Number of cases	Percentage
Discharged	243	84.97%
Died	10	3.50%
Still in hospital	14	4.90%

Ran away	7	2.45%
Referred to another health facility	12	4.20%
Total	286	100.0%