

INJURY SURVEILLANCE RESULTS

MBARARA HOSPITAL

SEPTEMBER TO NOVEMBER 2008

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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	16	86	42	144

2. The magnitude of injuries by sex in these months

Sex	Number of cases	Percentages
Female	40	27.78%
Male	104	72.22%
Total	144	100.0%

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

Age group	Number of cases	Percentages
0-4 yrs	101	72.14%
5-14 yrs	6	4.29%
15-24 yrs	33	23.57%
25-44 yrs	0	0%
45-64 yrs	0	0%
>64 yrs	0	0%
Total	140	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	10	6.94%
2	One serious injury	105	72.92%
3	More than one serious injury	29	20.14%
Total		144	100.0%

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

Nature of Injury	Number of cases	Percentages
Fracture	35	27.56%
Sprain/strain or dislocation	2	1.57%
Cut/bites or open wound	16	12.60%
Organ system injury	5	3.94%
Burns	20	15.75%
Concussion/coma	28	22.05%
Bruise or superficial injury	21	16.54%
Total	127	100.0%

B. DESCRIBING THE POPULATION AT RISK

1. The frequency of injuries by Occupation

Occupation	Number of cases	Percentage
Peasant farmer	41	28.28%
Civil servant/Private employee	9	6.21%
Driver/conductor	8	5.52%
Small business owner	15	10.34%
Student/ pupil	26	17.93%
Housewife	10	6.90%
Casual laborer	13	8.97%
Large business owner	0	0%
Unemployed	1	0.69%
Child/ baby	17	11.72%
Combatant	5	3.45%
Other	0	0%
Total	145	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	4	6.15%
Motorcyclist	14	21.54%
Bicyclist	9	13.85%
Pedestrian	13	20.00%
Motor vehicle passenger	14	21.54%
Motorcycle passenger	10	15.38%
Bicycle Passenger	1	1.54%

Total	65	100.0%
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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	49	35.00%
Industry/ Construction	4	2.86%
Road/Street	76	54.29%
School	4	2.86%
Farm	3	2.14%
Sport/recreation	2	1.43%
Public/commercial place	1	0.71%
River/lake/pool	1	0.71%
Total	140	100.0%

2. Number of injuries by Cause of Injury

Cause of injury	Number of cases	Percent
Road Traffic	64	45.07%
Fall	12	8.45%
Stab/cut	10	7.04%
Poisoning	14	9.86%
Chocking/hanging	0	0
Blunt force	16	11.27%
Animal/snake bite	4	2.82
Sexual assault	19	13.38%
Burns	0	0%
Other	3	2.11%
Total	142	100.0%

3. Number of Injuries by Type of Burn Injury

Type of burn injury	Number of cases	Percentages
Flame/smoke	0	
Hot fluid	0	
Chemical	0	
Total	0	

4. Number of Injuries by Activity at Time of Injury

Activity at time of injury	Number of cases	Percentage
Work	22	15.17%
Education	2	1.38%
Traveling	73	50.34%
Playing/leisure	25	17.24%
Sport	0	0%
Unknown	7	4.83%
Other	16	11.03%
Total	379	100.0%

5. Number of Injuries by Intent

Intent	Number of cases	Percentage
Unintentional	108	76.06%
Intentional	34	23.94%
Unknown	0	0.0%
Total	142	100.0%

6. Number of Injuries by Intentional Injuries

Type of intentional injury	Number of cases	Percentage
Self-inflicted	13	46.43%
Assault	15	53.57%
Total	28	100.0%

7. Number of Injuries by Alcohol Use

Alcohol use at time of injury	Number of cases	Percentage
Suspected/confirmed	32	22.22%
Unknown	104	72.22%
Nil	8	5.56%
Total	144	100.0%

4. ESTABLISH A TREND

1. Patient Disposition

Patient disposition	Number of cases	Percentage
Treated and sent home	21	14.48%
Admitted	117	80.69%
Died at casualty	5	3.45%
Transferred to a higher level facility	0	0%
Dead on arrival	2	1.38%
Total	145	100.0%

2. Status at 1 month

Status at four weeks	Number of cases	Percentage
Discharged	86	59.31%
Died	11	7.59%
Still in hospital	20	13.79%
Ran away	25	17.24%
Referred to another health facility	3	2.07%
Total	145	100.0%