

INJURY SURVEILLANCE RESULTS

MULAGO NATIONAL REFERRAL HOSPITAL

OCTOBER TO DECEMBER 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
	OCT	NOV	DEC	
Number of injury cases	26	424	18	468

2. The magnitude of injuries by sex

Sex	Number of cases	Percentages
Female	129	32.99%
Male	262	67.01%
Total	391	100.0%

3. The magnitude of injuries by age

Age group	Number of cases	Percentages
0-4 yrs	35	7.63%
5-14 yrs	47	10.24%
15-24 yrs	126	27.45%
25-44 yrs	198	43.14%
45-64 yrs	48	10.46%
>64 yrs	5	1.09%
Total	459	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	158	34.65%
2	One serious injury	271	59.43%
3	More than one serious injury	27	5.92%
Total		456	100.0%

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

Nature of Injury	Number of cases	Percentages
Fracture	70	17.72%
Sprain/strain or dislocation	13	3.29%
Cut/bites or open wound	196	49.62%
Organ system injury	19	4.81%
Burns	25	6.33%
Concussion/coma	13	3.29%
Bruise or superficial injury	58	14.68%

Total	395	100.0%
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B. DESCRIBING THE POPULATION AT RISK

1. The frequency of injuries by Occupation

Occupation	Number of cases	Percentage
Peasant farmer	21	4.59%
Civil servant/Private employee	38	8.30%
Driver/conductor	37	8.08%
Small business owner	73	15.94%
Student/ pupil	68	14.85%
Housewife	23	5.02%
Casual laborer	94	20.52%
Large business owner	1	0.22%
Unemployed	10	2.18%
Child/ baby	41	8.95%
Combatant	0	0.0%
Other	52	11.35%
Total	458	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	9	3.46%
Motorcyclist	46	17.69%
Bicyclist	14	5.38%
Pedestrian	123	47.31%
Motor vehicle passenger	33	12.69%
Motorcycle passenger	33	12.69%

Bicycle Passenger	2	0.77%
Total	260	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	107	24.49%
Industry/ Construction	7	1.60%
Road/Street	291	66.59%
School	8	1.83%
Farm	0	0%
Sport/recreation	0	0%
Public/commercial place	16	3.66%
River/lake/pool	0	0%
Unknown	1	0.23%
Other	7	1.60%
Total	437	100.0%

2. Number of injuries by Cause of Injury

Cause of injury	Number of cases	Percent
Road Traffic	171	40.91%
Fall	66	15.71%
Stab/cut	77	18.42%
Poisoning	1	0.24%
Chocking/hanging	0	0%
Blunt force	21	5.02%
Animal/snake bite	20	4.78%
Sexual assault	4	0.96%%
Burn	16	3.59%
Other	41	9.81%

Total	418	100.0%
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3. Number of Injuries by Type of Burn Injury

Type of burn injury	Number of cases	Percentages
Flame/smoke	2	12.5%
Hot fluid	14	87.50%
Chemical	0	0.0%
Total	16	100.0%

4. Number of Injuries by Activity at Time of Injury

Activity at time of injury	Number of cases	Percentage
Work	59	12.88%
Education	1	0.22%
Traveling	260	56.77%
Playing/leisure	67	14.63%
Sport	1	0.22%
Unknown	7	1.53%
Other	62	13.54%
Total	458	100.0%

5. Number of Injuries by Intent

Intent	Number of cases	Percentage
Unintentional	356	77.56%
Intentional	98	21.35%
Unknown	5	1.09%
Total	459	100.0%

6. Number of Injuries by Intentional Injuries

Type of intentional injury	Number of cases	Percentage
Self-inflicted	1	1.92%
Assault	51	98.08%

War/civil insurrection	0	0.0%
Total	52	100.0%

7. Number of Injuries by Alcohol Use

Alcohol use at time of injury	Number of cases	Percentage
Suspected/confirmed	69	15.16%
Unknown	373	81.98%
Nil	13	2.86%
Total	455	100.0%

4. ESTABLISH A TREND

1. Patient Disposition

Patient disposition	Number of cases	Percentage
Treated and sent home	245	53.38%
Admitted	209	45.53%
Died at casualty	4	0.87%
Transferred to a higher level facility	0	0.0%
Dead on arrival	1	0.22%
Total	459	100.0%

2. Status at 1 month

Status at four weeks	Number of cases	Percentage
Discharged	321	76.61%
Died	8	1.91%
Still in hospital	89	21.24%
Ran away	1	0.24%

Referred to another health facility	0	0.0%
Total	419	100.0%