

INJURY SURVEILLANCE RESULTS

FORT PORTAL HOSPITAL

NOVEMBER 2008 TO JANUARY 2009

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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
	NOV	DEC	JAN	
Number of injury cases	91	118	41	250

2. The magnitude of injuries by sex in these months

Sex	Number of cases	Percentages
Female	58	23.2%
Male	192	76.8%
Total	250	100.0%

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

Age group	Number of cases	Percentages
0-4 yrs	12	4.86%
5-14 yrs	39	15.79%
15-24 yrs	52	21.05%
25-44 yrs	102	41.30%
45-64 yrs	27	10.93%
>64 yrs	15	6.07%
Total	247	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	42	16.94%
2	One serious injury	72	29.03%
3	More than one serious injury	134	54.03%
Total		248	100.0%

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

Nature of Injury	Number of cases	Percentages
Fracture	122	61%
Sprain/strain or dislocation	19	9.50%
Cut/bites or open wound	42	21%
Organ system injury	3	1.50%
Burns	4	2.00%
Concussion/coma	2	1.00%
Bruise or superficial injury	8	4.00%
Total	200	100.0%

B. DESCRIBING THE POPULATION AT RISK

1. The frequency of injuries by Occupation

Occupation	Number of cases	Percentage
Peasant farmer	50	20.16%
Civil servant/Private employee	17	6.85%
Driver/conductor	6	2.42%
Small business owner	43	17.34%
Student/ pupil	56	22.58%
Housewife	13	5.24%
Casual laborer	35	14.11%
Large business owner	2	0.81%
Unemployed	6	2.42%
Child/ baby	15	6.05%
Combatant	1	0.40%
Other	4	1.61%
Total	248	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	2	1.85%
Motorcyclist	34	31.48%
Bicyclist	16	14.81%
Pedestrian	23	21.03%
Motor vehicle passenger	20	18.52%
Motorcycle passenger	9	8.33%
Bicycle Passenger	4	3.70%
Total	108	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	79	33.33%
Industry/ Construction	8	3.38%
Road/Street	128	54.01%
School	7	2.95%
Farm	7	2.95%
Sport/recreation	3	1.27%
Public/commercial place	5	2.11%
River/lake/pool	0	0%
Total	237	100.0%

2. Number of injuries by Cause of Injury

Cause of injury	Number of cases	Percent
Road Traffic	97	40.42%
Fall	71	29.58%
Stab/cut	30	12.50%
Poisoning	1	12.92%
Chocking/hanging	0	0%
Blunt force	31	12.92%
Animal/snake bite	1	0.42%
Sexual assault	1	0.42%
Burns	6	2.50%
Other	1	0.42%
Total	240	100.0%

3. Number of Injuries by Type of Burn Injury

Type of burn injury	Number of cases	Percentages
Flame/smoke	2	33.33%
Hot fluid	4	66.67%
Chemical	0	0%
Total	6	100%

4. Number of Injuries by Activity at Time of Injury

Activity at time of injury	Number of cases	Percentage
Work	49	19.84%
Education	1	0.40%
Traveling	128	51.82%
Playing/leisure	45	18.22%
Sport	1	0.40%
Unknown	0	0%
Other	23	9.31%
Total	247	100.0%

5. Number of Injuries by Intent

Intent	Number of cases	Percentage
Unintentional	225	91.46%
Intentional	21	8.54%
Unknown	0	0.0%
Total	246	100.0%

6. Number of Injuries by Intentional Injuries

Type of intentional injury	Number of cases	Percentage
Self-inflicted	0	0%
Assault	21	100%
Total	21	100.0%

7. Number of Injuries by Alcohol Use

Alcohol use at time of injury	Number of cases	Percentage
Suspected/confirmed	23	9.35%
Unknown	214	86.99%
Nil	9	3.66%
Total	246	100.0%

4. ESTABLISH A TREND

1. Patient Disposition

Patient disposition	Number of cases	Percentage
Treated and sent home	125	51.65%
Admitted	116	47.93%
Died at casualty	0	0%
Transferred to a higher level facility	0	0%
Dead on arrival	1	0.41%
Total	242	100.0%

2. Status at 1 month

Status at four weeks	Number of cases	Percentage
Discharged	206	83.74%
Died	1	0.41%
Still in hospital	39	15.85%
Ran away	0	0%
Referred to another health facility	0	0%
Total	246	100.0%