

authorities for information and action and that all efforts be made to keep the participating stakeholders active in following up the recommended activities.

Conclusion

The views of stakeholders tally with those found in existing literature. It is apparent that the interventions on the ground entail more of mitigation and not prevention. There is no goodwill on promotion as well as sustenance good practices. It is recommended that there should be better coordination of activities and increased networking among the various stakeholders, implementing strategies that recognize the role of all stakeholders, strengthening law enforcement organs within the government, increased and improved training of drivers and public awareness campaigns.

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Occupational injuries in Nicaragua

Co-authors: Aleman, Cristanto; Anderson, Mark; Clavel-Arcas, Carmen; Mock, Charles; Rocha C, Julio; Salazar, Mary

Problem

Annually, an estimated 250 million people suffer occupational injuries and 300,000 die from their injuries world-wide. The heaviest toll of occupational injuries is in the developing world because of the lack of safety standards and regulations. Occupational injury statistics are usually gathered from governmental bureaus of social security or labor insurance. Using these data sources exclusively in developing countries grossly underestimates the burden of occupational injuries for two reasons: there is a large informal working sector without insurance, and less than ten percent of the formal sector receives coverage. This study describes work-related injuries using the data from a PAHO/CDC/Nicaraguan Ministry of Health emergency department based injury surveillance system in Managua, Nicaragua.

Objectives

The purpose of this study was to identify and describe the work-related injuries in the formal and informal work sectors in Managua, Nicaragua that were captured in an emergency department based injury surveillance system. The aims were to calculate the frequency and use descriptive statistics to detail occupational injuries seen in the urban setting.

Method or Approach

For an eleven month period, August 1, 2001 to July 31, 2002, all cases from the surveillance database that indicated an injury occurred while working, were analyzed. The study data were from one participating ED, at the Hospital Escuela Antonio Lenin Fonseca (HEALF), located in Managua, Nicaragua. HEALF is a major referral center for trauma and the ED attends to 200-300 patients a day.

Results

There were 3,801 work-related injuries identified which comprised 18.5% of the total 20,425 injuries captured by the surveillance system during that time. Twenty-seven work-related fatalities were recorded. Injuries that occurred outside of a traditional work location accounted for more than 60% of the work-related injuries. Almost half of these occurred at home, while 19% occurred on the street. The leading mechanisms for work-related injuries were found to be falls (30%), blunt objects (28%) and stabs/cuts (23%). Falls were by far the most lethal mechanism in the study, causing 37% of the work-related deaths and more than half of the fractures. The most lethal mechanism in the study, causing 37% of the work-related deaths and more than half of the fractures.

Conclusion

An emergency department can be an important alternative data source for occupational injuries in developing countries because it captures both the informal and formal sector workforce injuries.

Nogueira, Paulo

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Evidence of the 2003 summer heat wave effect on Home and Leisure Accidents in Portugal

Co-authors: Brandão, João; Nunes, Baltazar

Problem

Occurrence of heat waves with impact on health and mortality, although not very frequent, contribute to serious losses of human lives and alterations on health patterns. The existence of on-line surveillance systems, like the European Home and Leisure Accidents Surveillance System (EHLASS), may help on quickly confirming the occurrence of such phenomena predicted by Heat Wave Surveillance Systems.

Objectives

Influence evaluation of the 2003 summer heat wave in Portugal on home and leisure accidents recorded by the Portuguese EHLASS.

Method or Approach

2002 and 2003 available EHLASS data was used. Comparisons were done within the months July and August and the two fortnights' periods and between 3 similar periods of 17 days were defined in both years: Period 1: July 11-27; Period 2: July 29-August 14; Period 3: August 15-31. The period 2 of 2003 includes a heat wave period with known severe effects on the Portuguese population. Pair wise comparisons within each year were done, using odds-ratios (OR), statistical significance and Confidence intervals of OR, assuming Poisson distributions of Home and Leisure Accidents (HLA) within each period. Comparisons between years were done using ratios of OR (ROR). Statistical evaluation was done using the binomial distribution resulting from the ration of Poisson distribution conditional on the sum of observed number of HLA on the heat wave period.

Occupational injuries in Nicaragua

Author Noe, Rebecca
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Mock, Charles
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Aleman, Cristanto
Anderson, Mark

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Conclusion

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The number corresponds to the number of the poster board

<p>614 Kumar, Adarsh Kuamr Manual head loading and back problems in rural India Indian Agricultural Research Institute, Delhi, India</p>	<p>621 Mrizak, Néjib Frequency and perceived risk of accidental blood exposure among Tunisian medical students Faculté de Médecine de Sousse, Tunisia</p>	
<p>615 Li, Guohua Illicit drug use by employees in the USA aviation industry, 1990–2001 Johns Hopkins University, USA</p>	<p>622 Mutiso, Vincent Survey of work related injuries within the manufacturing sector of the industrial zone of Nairobi, Kenya University of Nairobi, Kenya</p>	<p>Road Safety Child Safety Violence Prevention Work Safety and Health Trauma, Disaster, Civil Protection, Terrorism Sports, Leisure Safety Suicide Prevention Elder Safety Home & Institutional Safety Product Safety Cross-Sectoral</p>
<p>616 Maiti, J. Predictors of work injuries in mines: an epidemiologic approach Bengal Engineering College (Deemed University), India</p>	<p>623 Noe, Rebecca Occupational injuries in Nicaragua NIOSH, USA</p>	
<p>617 Maria Rosaria, Fizzano Chromium, nickel and cobalt: workplace exposure in Italy Italian Workers' Compensation Authority INAIL, Italy</p>	<p>624 Plaitho, Jiraporn Increasing death from falls in Lumpang province, Thailand 1997–2001 Ministry of public health, Thailand</p>	<p>09:00 08:30 09:00 09:30 10:00 10:30</p>
<p>618 Michas, Roxana Injuries among construction workers Athens University, School of Medicine, Department of Hygiene and Epidemiology, Greece</p>	<p>625 Robaina-Aguirre, Cristina The role of pidemiological survey in the prevention and control of accidents at work National Institute for Workers' Health, Cuba</p>	<p>11:00 11:30 12:00 12:30 13:00 13:30 14:00 14:30 15:00 15:30 16:00 16:30 17:00</p>
<p>619 Mohseni-Bandpei, Mohammad A. Work related low back injury among nurses: an epidemiological study Mazandaran University of Medical Sciences, Iran</p>		<p>17:30 18:00 18:30</p>
<p>620 Mrizak, Néjib The neck injury prevention among dentists in a dental school Néjib Mrizak, Faten Debbabi, Olfa el Maalel, Lamia Nouira Faculté de Médecine de Sousse, Tunisia</p>		<p>All posters remain hanging until 10:00 the following day.</p>

Tuesday, June 8th, 2004