

Needle Stick And Sharp Injuries Among Health Care Workers: A Retrospective 5-Year Study

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Objectives: The aim of this study was to examine the incidence of Needle Stick and Sharp Injuries (NSSIs) among Health Care Workers (HCWs) at King Hussein Medical Center (KHMC) in Jordan between 2013 and 2018.

Methods: We retrospectively reviewed all NSSIs reports referred from various departments at KHMC to the Preventive Medicine Department between the years 2013 to 2018. Incidence rates of NSSIs were then calculated and the rates stratified according to age, gender, job, department, site of injury and the procedure that caused the injury.

Results: There was a significant association between the incidence of NSSIs and other independent variables ($p < .001$). The reported incidence of NSSIs among nurses, cleaners, physicians, other workers and lab technicians were 39.7%, 36.3%, 10.4%, 7.4%, and 5.9%, respectively, during the 5-year period. Hospital wards were the most common locations where injuries took place (46.1%). Further, injuries occurred more frequently during medical waste collection (38.2%).

Conclusion: The incidence of NSSIs was the highest among nurses and cleaners. Safety policies and training among the above high-risk groups should be reviewed to reduce the risk of NSSIs. Multi center studies at a national level should be conducted to examine if the findings of this study are national trends.



Biography:

Rami Saadeh is an Assistant Professor in Jordan University of Science and Technology in Jordan. Rami earned his PhD in Environmental health and Epidemiology from Indiana University in the US. Rami worked as a dentist in small villages and Palestinians' refugee camps in Jordan, taught public health courses for years in Jordan, Saudi Arabia, and the US, and worked as the State Oral Health Epidemiologist in West Virginia, US. His research focuses on environmental and social disparities among communities, with special emphasis on susceptible groups such children and low socio – economic status populations.

Speaker Publications:

J. A. Crump and E. D. Mintz, "Global trends in typhoid and paratyphoid fever," *Clinical Infectious Diseases*, vol. 50, no. 2, pp. 241–246, 2010.

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[3rd Global Experts Meeting on Infectious Diseases](#) January 27-28, 2020 Bangkok, Thailand

Abstract Citation:

Needle Stick And Sharp Injuries Among Health Care Workers: A Retrospective 5-Year Study Infectious Diseases Meet 2020, 3rd Global Experts Meeting on Infectious Diseases January 27-28, 2020 Bangkok, Thailand)

(<https://infectiousmeet.conferenceseries.com/2020/poster-presentation.php>)