Occupational health of Iranian farmworkers: A public health priority

Mahin Ghafari1, Zahra Cheraghi2, Amin Doosti-Irani2*

Received: 23 Feb 2017 Published: 18 Dec 2017

Copyright© Iran University of Medical Sciences


Dear Editor-in-Chief

In developing countries, progress towards agricultural goals is paramount; and thus farmworkers are one of the most important human resources in each community. In Iran, farming is a highly important foundation in the lives of people, and farmers have an essential role in the country’s socioeconomic growth (1). In 2015, more than 18% of employees (approximately 4 million people) in Iran were working in the agricultural sector (2).

Agriculture is known as a high-risk job (3). Therefore, the health of farmworkers is a major concern for health policymakers worldwide (4). Chemical, ergonomic, biological, and physical hazards threaten the health of farmworkers (5-7). The chemical risk factors, which include exposure to pesticides in the agricultural setting, increase the risk of cancers among farmworkers (8). Moreover, exposure to biological risk factors increases the risk of occupational infectious diseases such as leptospirosis, Q fever, brucellosis, avian influenza, and fungal infectious diseases (9, 10). Furthermore, accidents, injuries, and falls are other hazards that threaten the lives of farmworkers (11, 12). Iranian farmworkers, like farmworkers in other countries, encounter occupational risk factors and work-related injuries. However, in Iran, there is no comprehensive health surveillance system for agriculture-related diseases and injuries. According to health indicators in Iran in 2010, only 32% of the farmworkers were identified by Iran’s health system, and of them, 18.7% were covered by occupational health care services and regular screening tests (13). These indicators revealed that substantial proportions (81.3%) of Iranian farmworkers are not covered by occupational health care services. To date, only few epidemiological studies have been conducted on the occupational health of farmworkers in Iran. However, given that a broad range of risk factors threaten the health of this group, the available evidence on the occupational risk factors of farmworkers is not sufficient for Iranian health policymakers. Therefore, we have the following recommendations to improve the health status of Iranian farmers: (1) a registry system should be developed for occupation-related disease and injuries of farmworkers; (2) the departments of occupational health at the national and subnational levels should pay more attention to the health of Iranian farmworkers; and (3) researchers in the field of occupational health and epidemiology must determine research priorities for the assessment of health problems of Iranian farmworkers.

Conflict of Interests

The authors declare that they have no competing interests.

References


Corresponding author: Dr Amin Doosti-Irani, a_doostiirani@yahoo.com

1 Department of Public Health, School of Health, Shahrekord University of Medical Sciences; Shahrekord, Iran.
2 Department of Epidemiology, School of Public Health, Hamadan University of Medical Sciences, Hamadan, Iran.
Occupational health of Iranian farmworkers

2005;113(1):49-54.