We investigated the influence of multiple factors on the incidence of occupational blood and body fluid exposures (BBFEs) in health care workers (HCWs) in Guizhou, China, using structural equation modeling (SEM)" Quan et al (2015).

Abstract:

Background: We investigated the influence of multiple factors on the incidence of occupational blood and body fluid exposures (BBFEs) in health care workers (HCWs) in Guizhou, China, using structural equation modeling (SEM).

Methods: SEM tested in general hospitals was evaluated using survey data from a sample of 1,774 HCWs from 25 hospitals in Guizhou, China, between January and April 2014.

Results: The incidence of occupational BBFEs in HCWs was affected by HCWs’ knowledge of safe work practices, HCWs’ belief in their ability to use safe work practices, HCWs’ use of safe work practices, the workplace safety environment, sufficiency of the controls implemented at health care facilities, and workloads. Knowledge of safe work practices had the most influence on the incidence of occupational BBFE in doctors and laboratory technicians. Ability to use safe work practices had the most influence on the incidence of occupational BBFEs in nurses.

Conclusion: The workplace safety environment, sufficiency of controls implemented at health care facilities, HCWs’ knowledge of safe work practices, HCWs’ belief in their ability to use safe work practices, HCWs’ use of safe work practices, and workload influence the incidence of occupational BBFEs in HCWs.

Reference:


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