

The effectiveness of education intervention program for improving knowledge, attitude and practice related to hepatitis-B infection among non-medical and non-veterinary undergraduate university student in northern Nigeria: A randomized control community trial**Yakubu Hussaini Anka**

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Background & Aim: The endemicity of hepatitis B virus (HBV) infection is leveling off in Sub-Saharan Africa; it remains at an unacceptable high level ($\geq 8\%$ to $< 2\%$) with global prevalence of 3.61%. The present study assessed the effectiveness of a peer-led HBV prevention education intervention in Usman Danfodiyo University, Sokoto, Nigeria on youth's HBV-related knowledge, attitude and practices.

Methods: In a peer-led single blind randomized controlled community trial conducted between April and December 2015. 390 students were selected and randomized into the intervention and control arms, each arm with 195 respondents; five out of 12 faculties were selected using multi-staged random sampling. Four surveys were conducted (baseline, immediately, three and six months using self-administered questionnaire. Analysis of data was conducted using SPSS version 22.

Results: The overall response rate during the four survey were 100%, 99.4%, 98.9% and 98.4% for intervention group and 100%, 100%, 99.4% and 98.9% for the control arm respectively. Hepatitis B-related knowledge, attitude and practices of the respondents were statistically significant between the intervention and the control arms at immediately, three and six month's follow-up assessment with no statistical significant difference at baseline assessment (knowledge 14.3%, 66.95% and 62.7%, HBV-related attitude 23.56%, 40.68% and 46.12% and HBV-related preventive practices 26.14%, 36.53% and 11.9%).

Conclusions: It is evident from the study that education intervention program is effective on HBV-related knowledge, attitude and preventive practice among the undergraduate non-medical and non-veterinary university students of Usman Danfodiyo University, Sokoto, Nigeria.

Biography

Yakubu Hussaini Anka is a Science Laboratory Technologist specialized in Microbiology/Parasitology from the Kaduna Polytechnic, Nigeria in 2005. He has then joined Usman Danfodiyo University, Sokoto for a Postgraduate Diploma Program in 2008. He was awarded with Tertiary Education Trust Fund Scholarship for Master of Science degree in Public Health at the University of Bedfordshire, United Kingdom and completed in 2011. He has recently completed his PhD from the University Putra Malaysia, Faculty of Medicine and Health. He is also a Member of International Society of Infectious Diseases since 2014 and Member of EpiCore since April 2016.

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