

Effect of in-service Training of Village Midwives on the Improvement of their knowledge, Practice, and attitude towards Infection Control Measures at Sinnar State, Sudan

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Abstract.

Background: Motherhood is all most beautiful experience, which can turn into a tragedy when we lose the mother, the most precious member of the family. Each year more than half a million women die in the world from pregnancy related complications, puerperal sepsis is the 2nd leading cause for maternal mortality, 19.2%.

Aim: the study aimed at assessing the effect of in-service training course targeting the application of infection prevention and control measures on the knowledge, attitude and practices (KAP) of village midwives' (VMWs).

Material and methods: This is an interventional, community based study, conducted at Sinnar State, multi stage random sampling technique was used and the sample size was 130 VMWs. **Results:** The study showed that comprehensive in-service training course resulted in significant improvements in village midwives KAP in regard to infection prevention and control measures, but sustaining of acquired practice skills application by trained village midwives was negatively affected with the availability and accessibility of necessary recourses and supplies. maintaining of clean working place, pre intervention more than half of the respondents showed bad score, while in the post intervention the entire of them were able to keep clean, well arrange and organized environment. 94.6% of VMW were became skilled in hand washing, gloving and gowning. 60.8% of the respondent performed very good decontamination of instruments. **Conclusion:** in-service training had significant change in knowledge, attitude and practice regarding infection prevention and control.

Recommendation: The study recommended Harmonize initial and continuing regular in-service training or refreshment courses, Development of a national or regional system for supervision, monitoring and assessment of competency of midwifery practice

Keys words: infection control, VMWs Sinnar State, KAP Sudan

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