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Correlates of home delivery among HIV positive women attending ART clinic in Gondar town governmental health institutions, Northwest Ethiopia, 2017: Institutional based cross sectional study

Muhabaw Shumye and Mengstu Melkamu
University of Gondar, Ethiopia

Introduction & Aim: Home delivery refers to pregnant women giving birth in the absence of a skilled birth attendant. It is a key determinant of maternal and perinatal death. Although there is high inspiration to decline home delivery, the magnitude is still high for general population in Ethiopia. Moreover, much less is known about home delivery among HIV- positive mothers in the country. Therefore; the purpose of this study was to assess home delivery and its correlates among HIV positive women attending ART clinic in Gondar town governmental health institutions, Northwest Ethiopia, 2017.

Methods: An institutional based cross sectional study was conducted from May 1st to June 30th/2017. A total of 485 mothers were included in the study. Structured questionnaire and check lists were used to collect the data. Face to face interview and chart review were utilized. The data were entered in to Epi info version 7.0 and then exported to SPSS version 20.0 for analysis. Both bivariate and multivariable logistic regression model were fitted. Crude and adjusted odds ratio with 95% confidence interval were computed and variables with p-value <0.05 were considered statistically significant.

Result: The prevalence of home delivery among HIV positive women found to be 22.7% with 95% CI (19.2, 26.4). In the multivariable analysis; marital status (AOR=2.83; 95% CI: 1.25, 6.43), husband educational status (AOR=3.35; 95% CI: 1.22, 9.15), antenatal care visit (AOR=27.78; 95% CI: 12.23, 23.14) and monthly income (AOR=2.86; 95% CI: 1.21, 6.77) were correlates of home delivery.

Conclusion & Recommendation: In this study, prevalence of home delivery among HIV positive mothers is high. Not having any ANC follow during the recent pregnancy was the strongest correlate of home delivery among other determinants. Hence, it is recommended to encourage mothers to have ANC visit during pregnancy to decrease home delivery.

ebeyasemineral@hotmail.com