

Introduction: This study investigated factors influencing quality of HMIS data in H/CIIIs and IVs in Luweero district. The researcher got interest in this because accurate data which is complete and timely when conveyed to users is very important in health planning, management and decision making. Despite concerns about poor quality data and its implications during decision making, less has been done to find out why health facilities produce poor quality HMIS data. It is hence important that this research found out factors influencing the quality of HMIS data in health centers four and three in Luweero district.

General Objective: This was to establish factors influencing the quality of HMIS data in health centers four and three in Luweero district.

Methodology: The study employed cross sectional study designs and the study area was selected purposively. Data collection was done in June 2015 using questionnaire administered by research assistants and KI interview by the researcher. Twenty six health centres were selected which included three HCIVs and 23 HCIIIs from which 178 respondents out of 342 targeted were interviewed with a response rate of 52%. Data was analyzed using SPSS version 16.0 and presented using tables and figures whereas KI data was analyzed manually and reported in summary form.

Results: Research found out that more than half that is 76.9% of the respondents from 26 health facilities had reported timely implying fair data quality in the district.

It also established that health workers training ($\chi^2=5.519$, $p=0.049$) and their orientation ($\chi^2=7.692$, $p=0.021$) on HMIS data quality directly influenced its quality in the district. However, demographic characteristics, Health workers' attitude and Health system factors had no direct influence on the quality of HMIS data in the district ($p > 0.05$). Qualitative results also showed that HMIS data quality in the district is not yet 100%, ranging from 75 – 80%. According to KI, it is affected by the way health workers are motivated.

Conclusions and Recommendations: This research concluded that the quality of HMIS data in Luweero district is at 76.9% and is directly influenced by training of health workers and their orientation on HMIS data quality among knowledge factors. Attitude and health system factors had no direct influence on HMIS data quality.

From the study, we therefore recommend the following;

- All health facility in charges to plan and conduct regular CPDs on quality of HMIS data through trainings.

- The DHO's office should organize the orientation all health workers on HMIS data quality requirements and management and devise a way of motivating health workers who excel in producing quality HMIS data either by sending thanks messages on M track registered numbers or certificates at the end of the year.
- The Ministry of Education and Sports in collaboration with Ministry of Health should include HMIS data quality management lessons in all tertiary health institutions.