

Abstract

Background: Supervision of public health workers is important to enhance the performance of the public health system. Although healthcare workers at ground level are supervised by the supervisory staff at Medical Officer of Health(MOH) level, there should be a proper mechanism to supervise supervisors namely MOH, Public Health Nursing Sister(PHNS), Supervisory Public health Midwife(SPHM) and Supervisory Public health Inspector(SPFI). Different mechanism is required to increase data quality of above mentioned supervisory mechanism of the supervisors by means of accuracy, timeliness and completeness.

Objectives : Assessment of user acceptability of the electronic health information management system(HIMS) for the collection of supervisory data at MOH level is the objective of the study after implementation of the electronic HIMS

Methods: District Health information software 2 (DHIS2) was used to transform paper based forms RHMIS-A, RHMIS-B, H-1248 and H-1249 , available for the supervision of supervisory staff at MOH level in to an electronic Health Information Management system(HIMS). User acceptability of the new electronic HIMS was assessed using a structured questionnaire following 1 month after implementation and user training with 73 participants of Colombo and Kaluthara RDHS areas.

Results: Among 73 participants took part in the research 61.6% and 58.9% were having sufficient knowledge on software use and internet use. 55% were sharing computers with others at office while 42.5% are having an official email. Average score of System Usability Scale was 71.3% . 86.3% said filling electronic form is easier than paper based forms while 83.6% said electronic forms are less time consuming. Average score of the assessment of user training program was 73.61%.

Conclusion: Availability of infrastructure, Information communication Technology knowledge, proper training program and a User friendly electronic system will increase user acceptability of the electronic HIMS available for the supervision of supervisors at MOH level.