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131st Anniversary International Medical Congress

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PP007

Assessment of eRHMS School Health Information System: System usability among Uva Province users

Dimal DA¹, Kasturiarachchi K², Senanayake P¹, Liyanagama M², Amarakoon P¹, Jayatilleke AU¹

¹Postgraduate Institute of Medicine, University of Colombo

²Family Health Bureau, Ministry of Health

Introduction and Objectives: eRHMS (Electronic Reproductive Health Management Information System) is a well-functioning web based electronic health information system using to collect maternal, youth and child health data at Family Health Bureau (FHB). As second phase of eRHMS, School Health Programme information flow was computerized, in order to improve data accuracy, timeliness, completeness and to reduce work load. System usability of eRHMS school health component was assessed on Uva province system users after introductory training programme, including hands on training.

Methods: Individual questionnaire with the System Usability Scale (John Brooke SUS) was used to collect data.

Results: There were 126 users from both Badulla and Monaragala districts including 106 males and 20 females with 39 years of mean age. There were 59 Public Health Inspectors (PHIs), 23 Supervising Public Health Inspectors (SPHIs), 17 Data Entry Operators (DOs), 16 Medical Officers of Health (MOHs), 5 Additional Medical Officers of Health (AMOHs), 5 Public Health Midwives (PHMs) and 1 Planning and Programme Assistant (PPA). 79 of them had GCE Advanced Level educational qualifications while 24 were degree holders, 17 with MBBS and 6 with postgraduate level qualifications. Even though only 42 of them have been previously using the eRHMS, 116 users (92%) had accepted the system, out of them 49 (39%) rated it as excellent and 4 users (3%) rated the system as best imaginable.

Conclusion: Uva province eRHMS users have accepted the School Health electronic health information management system.

PP008

Using a MediaWiki platform to disseminate information on tobacco: TobaccoUnmasked.lk

Perera CS¹, Perera KMN², Wijesuriya H¹, Lakmal PASC¹, Fernando IB¹, Rajasuriya MC¹

¹Centre for Combating Tobacco, Faculty of Medicine, University of Colombo

²Department of Public Health, Faculty of Medicine, University of Kelaniya

Introduction and Objectives: The Centre for Combating Tobacco (CCT) Sri Lanka is the first, and currently only tobacco observatory in the region. The main purpose of CCT is to monitor tobacco industry activities related to implementation of Article 5.3 of the Framework Convention on Tobacco Control (FCTC). This study aimed to explore the acceptability of a MediaWiki based information portal in disseminating information in Sri Lanka.

Methods: www.tobaccounmasked.lk is the information portal of CCT, containing evidence-based peer-reviewed information under the themes: background, Tobacco Industry (TI), individuals and institutions linked with TI, TI activities and TI arguments and responses. Launched in July 2017, 'TobaccoUnmasked' (TU) is based on MediaWiki, an open source software that serves as a database as well as an information dissemination platform. The reach of the website was monitored using the Google Analytics software.

Results: Easy navigation and search, ability to link to internal and external resources and generate categories were the positives identified in the tool during implementation. TobaccoUnmasked was used by 1101 users during the first three months with 4799 page views in 1688 sessions. Even though TU reached 55 countries, majority (n=1273; 75.4%) of session views was from Sri Lanka. Apart from the Main page, most viewed page was 'Movement to legalise marijuana and the tobacco industry'. Users were mostly referred via 'organic search' (n=676; 40.0%) while direct search referrals (n=406; 24.0%) and referrals via social media (n=306; 18.1%) were also common.

Conclusion: MediaWiki platform can be effectively used to disseminate information related to tobacco in Sri Lanka.