Development of an E-Learning Education Program For Case-Mix And Clinical Coding: Processes and Outcome


* United Nations University-Institute of International Global Health, Kuala Lumpur, Malaysia
** International Training Centre for Case-Mix and Clinical Coding (ITCC), Universiti Kebangsaan Malaysia Medical Centre, Universiti Kebangsaan Malaysia, Kuala Lumpur, Malaysia
*** Faculty of Education, Universiti Kebangsaan Malaysia, Bangi, Selangor, Malaysia

Introduction: Case-Mix System is a disease classification system, which is used as a tool to improve efficiency and quality of delivery of health care services. Case-mix classifications are based on patient information which is routinely collected and is derived from patient medical record. Quality of the case mix information is depended on the quality of data recording system. Education is a major factor in improving knowledge and understanding of the funding system among staff and managers in hospitals and health systems. As well as all sector of human activities, education as a personal and professional training, is influenced by the globalization of the online environmental communication and distance learning. Since there is no e-learning program on case-mix and clinical coding currently available, developing an e-learning program for case-mix and clinical coding will help organizations to improve performance of case-mix system.

Objective: To develop an online education program for case-mix and clinical coding for clinical coders, medical record officers pharmacists, hospital financial officers, nurses and nursing managers, healthcare managers and clinicians in developing countries.

Method: Ten courses, which are already designed for traditional learning for case-mix system and clinical coding, will be redesigned for e-learning program. Multiple choice written test questions, a satisfaction questionnaire and case-based assessment tool will be designed and use to compare outcomes between traditional learning and e-learning program.

Expected Outcomes: To provide an e-learning program as an alternative delivery system for case-mix and clinical coding education. This study also expects to provide evidence that Web-based learning program for case-mix and clinical coding is more effective than traditional learning.

NB: To be considered for Poster presentation
Azam Rahimi PhD condidate
United Nations University-International Institute of Global Health (UNU-IIGH)
HUKM Complex
Faculty of Medicine
National University of Malaysia
Jalan Yaacob Latiff
56000 CherasKuala Lumpur
Malaysia