

Research Title: A study of current medical record systems and workflow in the Universiti Sains Malaysia One Stop Crisis Center: Towards the modeling of a generic Electronic Medical Record.

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Synopsis

High quality health care depends on complete and comprehensive patient medical information. This information is essential to support diagnosis and treatment, measure and improve quality of care, advance public health and enhance healthcare productivity. Today, patient medical record information is primarily written, stored and transported on paper. This paper-based information is often illegible, subject to delays, difficult to interpret, frequently misplaced or lost, and contributes to unnecessary costs. Patients who visit more than one health care provider have several medical records, which often are not shared with other physicians, laboratories, and hospitals. Patient information then becomes fragmented, which can cause delays, disruptions, or errors in patients care. Electronic Medical Record (EMR)) is a tool that can manage patient information. EMR is generally designed to preserve and present patient data longitudinally throughout their many encounters with a healthcare provider. EMR supports data retrieval for quality assessment activities, research, and practice improvement initiatives. This research is conducted in One Stop Crisis Center HUSM (OSCC) to understand more about the existing medical record systems and to study the workflow in managing EMR. Outcome of this research is the model of EMR that could be used as a guideline in producing comprehensive, accessible, interoperable, confidential, accountable and flexible EMR for HUSM and MOH.