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Abstracts

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Technical Sessions

Session EM2A

HEALTHCARE CRITICAL KNOWLEDGE MONITOR SYSTEM MODEL – HEALTHCARE CRITICAL KNOWLEDGE ONTOLOGY COMPONENT

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Healthcare organizations manage with personal information concerning to patients from many sources that, typically, are supported by computer-based systems therefore, demands cautious when there are ethical and legal aspects involved. Since not all clinical knowledge managed by healthcare organizations could be considered critical (or much critical) we need to define the value of clinical knowledge for further handle in risk management. With the key aspects of InfoSec: Confidentiality, Integrity, Availability and Privacy we intent to achieve the core critical knowledge that will be the source of the healthcare critical knowledge ontology. Critical knowledge ontology should be tailored to the healthcare organization in focus to comply with multiple factors, such as: organizational culture, terminology used, health department specifications, among others. With topic model approach we intent to automatically driven document topics and match with critical healthcare knowledge from ontology, thus, give value to the documents concerning its critical knowledge.