

Knowledge Management in Toxicology: Integrating Decision Support System and Public Health Infrastructure

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Abstract

This paper explores the role of Poison Centres (PC) in advancing Knowledge Management (KM) practices using Clinical Decision Support System (CDSS). It analyses the integration of CDSS in public health initiatives and emergency response to toxic exposures. Additionally evaluating the infrastructure of Poison Centres in utilizing data mining and Bayesian logic to improve the accuracy of diagnosing poison cases, in improving patient treatment outcomes.

Keywords: Poison Information Centre, Clinical Toxicology, Data Mining, Knowledge Management, Risk Communication, Active Surveillance, Bayesian Logic