

Exploring the safety issues of the Electronic Prescribing System in the Intensive Care Unit at Royal Berkshire NHS Foundation Trust from a multi-level perspective: A mixed methods approach

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Electronic prescribing systems were developed with an intention to reduce medication errors and adverse drug events (ADEs) in intensive care units (ICUs). Electronic prescribing is effective in reducing medication errors and ADEs, however, it is clear from the literature that electronic prescribing may introduce new errors in ICUs which could have been caused by the design and interface of the systems. Therefore, it is crucial to explore electronic prescribing systems to improve their design and efficiency and improve patient safety based on the assistance that such systems provide to professionals in making clinical decisions from a multi-level perspective: at drug level, process level and system level.