

Systematic review of medication administration errors withing the UK health system

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Research question

What are the reasons and factors contributing to medication administration errors in UK health system?

Research aim

This study aims to investigate the prevalence and underlying causes of medication errors and identify strategies to reduce their occurrence in the UK health system.

According to the Institute of Medicine committee in the United States, medication error is a type of failure in planning and accomplishing the correct goal.

Research objectives

1. Qualitative methods will be utilised to identify the causes of medication administration errors.
2. Systematic review will be conducted to explore organisational factors such as staffing levels, training, workload, and communication that may contribute to medication errors.
3. The findings will be used to develop recommendations aimed at improving medication management practices and enhancing resident safety in UK care homes.



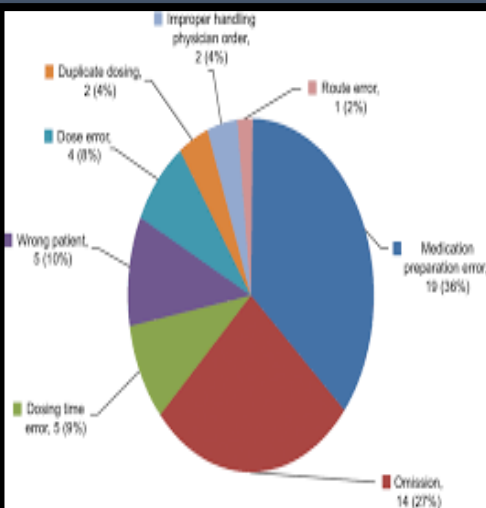
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Prevalence

In the UK approximately 237 million medication errors happen every year; this might occur during the prescribing or dispensing of the drug (Yevgeniya, 2023). These implications have cost the NHS upwards of £98 million (Fleck and Richter, 2022). Because of these errors, each year roughly 712 people die in UK (Atesh, 2016).

Medication administration errors Happens in acute hospital wards or care homes, and some common types of errors are providing the wrong dose, wrong route of administration, incorrect timing, and many more (Gerrett and Warner, 2012). According to WHO These drug errors cost the health-care system around \$42 billion per year and must take the appropriate actions to avoid this error (Mateti et al., 2017)



Rationale of the research

The reason of this research is to reduce the medication errors and improve quality of care. As Many incidences occur when doctors provide the wrong drug or dose to a patient, which are known as "medication errors. Even delivering the medicine via the incorrect method can exacerbate the illness. According to the WHO, these medication failures resulted in adverse effects and were one of the top ten causes of patient death and disability (World Health Organization, 2016). Reviewing this errors is extremely necessary because the number of death is increasing besides there are very few searches focusing on the errors occurring during the administration stage.

Research impact

Impact on patients

- The number of medication errors may decrease.
- Better quality of care can be given.

Impact on health care professionals

- The health care professionals may improve their awareness.
- They may encourage having professional training.

Impact on health and social care services

- The health and social care services may follow WHO guidelines.
- They could follow all the policy development and clinical guidelines as well to improve their treatment.

