

MEDICATION RECONCILIATION INTERVENTIONS IN AN EMERGENCY DEPARTMENT AT ADMISSION

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BACKGROUND AND IMPORTANCE

Medication reconciliation is the formal process of obtaining a list of patient's medication prior to admission and compare it with the one that has been prescribed in the health center, in transfers or medical discharge.

Reconciliation errors occur in 50% of patients admitted to hospitals and have been identified as a priority practice for patient safety.

AIM AND OBJECTIVES

- Describe the pharmaceutical interventions related to medication reconciliation at the admission process
- Quantify the degree of acceptance by clinicians
- Describe the most commonly pharmacological groups involved in these interventions

MATERIAL AND METHODS

It was a descriptive and transversal study conducted at the Emergency Department of a Regional Hospital with 135 beds during February 2021-July 2023.

A review of patient's usual medications admitted during the night was performed daily. Reconciliation interventions were registered in a database and classified in five types: omission, dose, therapeutic equivalents, drug not necessary and adverse event. Drugs involved were classified according to the Anatomic Therapeutic Classification (ATC).

RESULTS

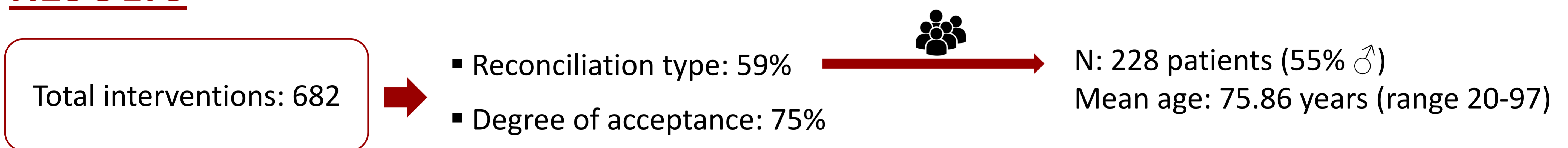


Figure 1. Reconciliation interventions type

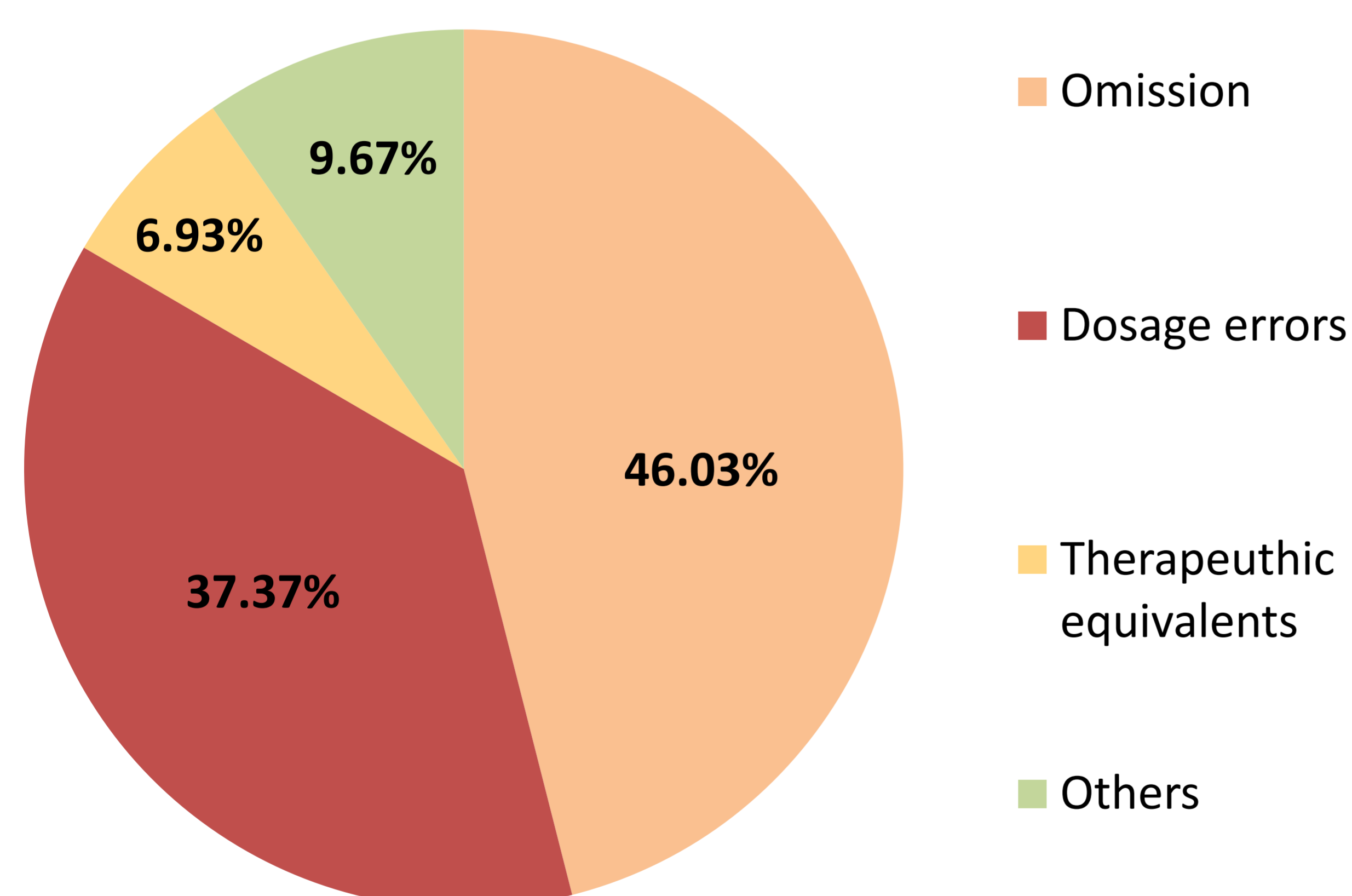
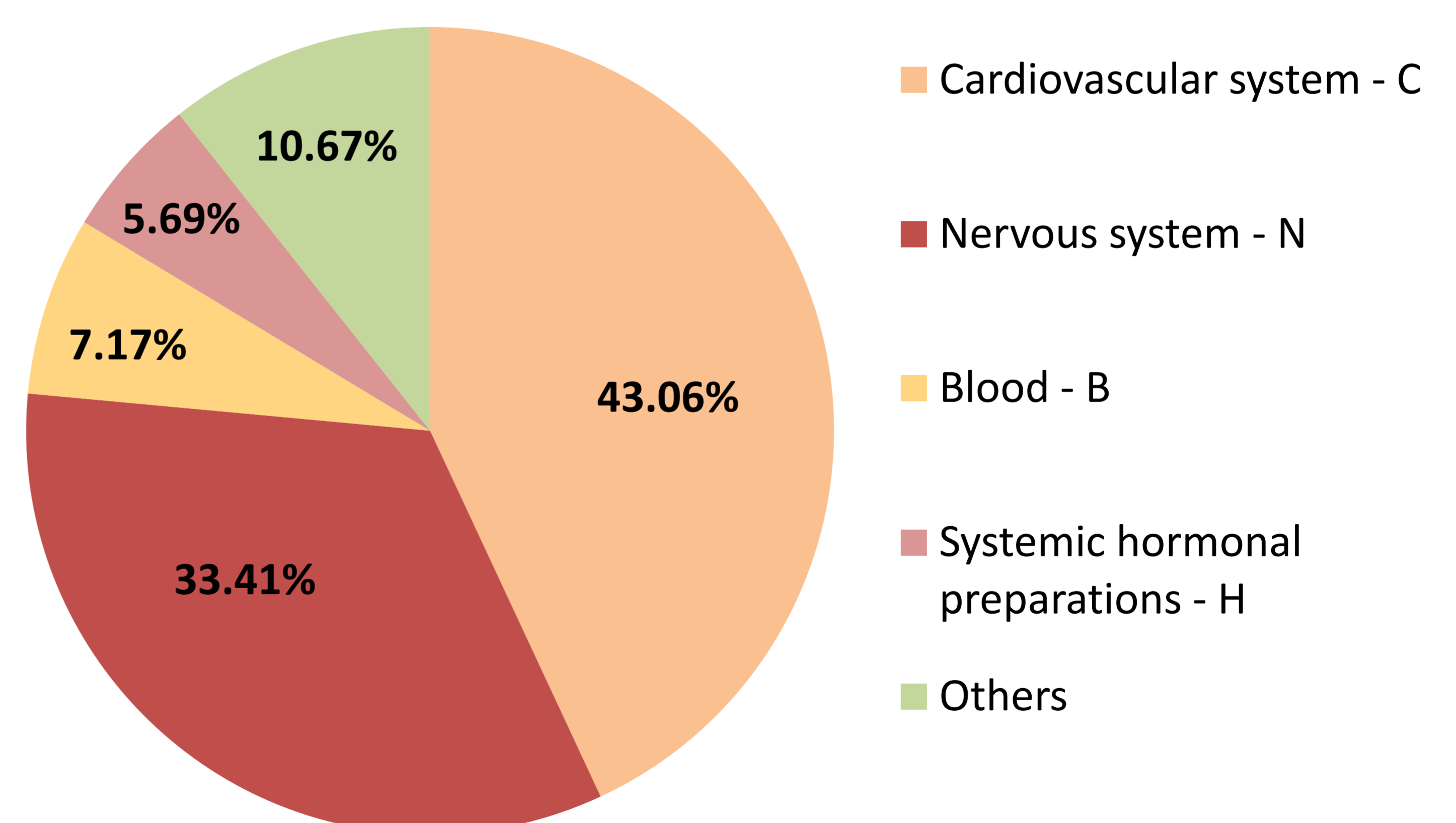


Figure 2. ATC – most commonly involved drugs



CONCLUSION AND RELEVANCE

- More than a half of the interventions were related to medication reconciliation, which shows the importance of the process at hospital admission.
- The high degree of acceptance by clinicians shows that pharmacists should be part of a multidisciplinary team and can contribute improving patients' safety.

Keywords: reconciliation, interventions, Emergency Department

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