

# ABSTRACT

## The rate of medication errors identified by pharmacist

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**Introduction:** Medication errors have a negative impact on the quality of healthcare. A wide range of these situations can be suitably prevented.

**Aim of study:** Identify and evaluate signs of medication errors in the providing of pharmaceutical care. Analyze the factors that may affect the occurrence of these medication errors.

**Methodology:** Questionary with prospective screening of medication errors over the period of 20 days in 7 public pharmacies from Karlovy Vary region. Following questionnaire focused on the pharmacists' opinions (from same region) on the factors, which contribute to possible mismatch in the drugs dispensation. Data evaluated by descriptive statistics.

**Results:** 20 potentially serious medication errors that could endanger the health of the patient were detected (1 error per 1000 dispensed prescriptions). In most cases it was a incorrect dispensation of medicinal products. There were also identified 259 drug administrative errors (17.4 errors per 1000 dispensed prescriptions). Each respondent dispensed at least one incorrect drug due to similar or identical product packaging or due to inexpressive labelling of the drug packaging. 55% of pharmacists find identical or similar packaging of multiple products as inconvenient.

**Conclusion:** The aim of the specialists should be the maximum elimination of all factors influencing the pharmacist and the dispensation procedure. The investigation revealed that even the medicinal product and its packaging may have a crucial influence on the errors in the work of a pharmacist.