

Publication

[Medication safety in the home care setting: error-prone process steps]

**JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)**

**ID** 1476544

**Author(s)** Meyer-Masseti, C; Kaiser, E; Hedinger-Grogg, B; Luterbacher, S; Hersberger, K

**Author(s) at UniBasel** [Hersberger, Kurt](#) ; [Meyer-Masseti, Carla](#) ;

**Year** 2012

**Title** [Medication safety in the home care setting: error-prone process steps]

**Journal** Pflege

**Volume** 25

**Number** 4

**Pages / Article-Number** 261-9

So far, little is known about drug-related problems in the homecare setting. It is estimated that up to 30% of homecare patients experience a potential medication error, most frequently happening during preparation and administration of drugs. In order to identify error-prone process steps in a Swiss home-care organisation caring for 1854 patients per year, direct observation of the medication use process, including the analysis of 10% of all prescriptions, was executed. Three complimentary methods were combined for the assessment of qualitative aspects of the medication use process: the analysis of a critical incident reporting system, a survey among homecare nurses, and a failure, mode and effects analysis. The medication use process is complex, consisting of 20 individual steps. Patients are prescribed an average of 7.5 ± 3.5 drugs per day, including 1 to 9 doses not suitable for deblistering into weekly dispensing systems. Of 84 reported errors, 74% happened during drug preparation. Communication with physicians, patients interrupting drug preparation and not transmitted changes of the drug regimen were considered the most critical process steps.

**Publisher** Hans Huber

**ISSN/ISBN** 1012-5302

**edoc-URL** <http://edoc.unibas.ch/dok/A6056292>

**Full Text on edoc** No;

**Digital Object Identifier DOI** 10.1024/1012-5302/a000214

**PubMed ID** <http://www.ncbi.nlm.nih.gov/pubmed/22811293>

**ISI-Number** WOS:000308279700003

**Document type (ISI)** Journal Article