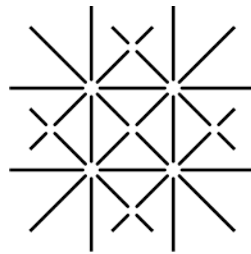


# Evaluation Polymedikations-Check

## First Results

Analysis of Study Population, Patient Interviews and  
Survey of Study Pharmacies from BL, BS  
A Randomised Controlled Trial



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### **Master Thesis**

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## Abstract

### Background

The "Polymedikations-Check" (PMC) is a cognitive, community pharmacy-based service in Switzerland. It is applied for patients, receiving four or more prescribed medicaments for at least three months.

The service was established in 2010 and aims to improve primary patient adherence to medication and to screen for possible drug related problems (DRP).

### Objectives

Analysis of different measuring instruments and methods for the evaluation of the PMC, focussing on study cantons BL and BS

### Methods

Statistical analysis of patient questionnaires and telephone based in-dept patient interviews. Development of a final online survey with study pharmacists

### Results

From 134 patients included in this study, 120 patients completed the second telephone interview with 57 patients in the intervention and 63 patients in the control group. The mean age of this population was 68.92 years while 61.1 % of them were female. The number of applied medicaments was 6.57 in the first and 6.55 in the second telephone interview. The estimated medication adherence was overall high (> 94 %). In the first telephone interview, 42.5 % of the patients were having a weekly dose system (WDS) while 45.8 % in the second telephone were having one.

The final online survey with the 20 study pharmacists showed a low rate of performed PMCs per pharmacy and pharmacists but also the conviction of these health care professionals to supply this pharmaceutical service.

### Discussion

Differences in adherence levels and usage of WDS between the intervention and control group has shown the influence of the PMC. As the study population deviated from the actual target group of a PMC, further research has to show the efficacy of this service.

As the number of performed PMCs is low, a main focus should lay on the supervision of pharmacists for further implementation.