

## **PCNE Guidelines for Retrospective Medication Review in Pharmacy V0 (last discussed in 2011 during the PCNE Working Conference)**

This approach to retrospective medication review assumes that all dispensing information for all medicines that a patient takes (receives)/has taken (received) in the recent past is available in the pharmacy.

### **The official PCNE definition:**

Medication review is an evaluation of patient's medicines with the aim of managing the risk and optimizing the outcome of medicine therapy by detecting, solving and preventing drug-related problems.

### **I. The simple medication review.**

A simple medication review is based on the available medication history in the pharmacy. The following type of problems can be detected: drug-drug interactions, some side-effects, unusual dosages and some adherence issues.

### **II. The Intermediate medication review.**

An intermediate medication review can be performed when the patient can be approached for information. Such a review is based on medication history and patient information. The type of problems that can be detected in the intermediate review are drug-drug interactions, some side-effects, unusual dosages, adherence issues, drug-food interactions, effectiveness issues, side effects, and possible problems with OTC medications.

### **III. The advanced medication review.**

An advanced medication review is based on medication history, patient information and clinical information. The problems that can be detected are: drug-drug interactions, some side-effects, unusual dosages adherence issues, drug-food interactions, effectiveness issues, side effects, and possible problems with OTC medications. The advanced review would also make it possible to look at issues around indication-related problems (indication without a drug and drugs without indication), and possibly also dosage issues based on laboratory data, antibiotic appropriateness, adherence to clinical guidelines and formularies etc..

In case of a prospective medication review, an extra step could be added: Prescription validation.

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