



## PHARMACEUTICAL CARE NETWORK EUROPE

### Working Conference 2013 – Abstract

Collaborative pharmaceutical care in research and practice

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The above mentioned participant in the PCNE WC 2013 wishes to submit following abstract for a poster or oral communication. If accepted and presented, the abstract will be published in the International Journal of Clinical Pharmacy. Please make sure the abstract is no longer than 350 words, excl. author-details.

<b>Title</b> Medicine Use Review in Italy: a pilot project using asthma as model (Preliminary data analysis)		
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Type of abstract <input checked="" type="checkbox"/> <b>Research</b> <input type="checkbox"/> Practice development <input type="checkbox"/> Practice implementation		
<b>Background</b> In Italy there are 18,021 community pharmacies; 3,500 more will be opened in 12 months due to changes in regulations. There is a huge pressure on price cutting and the need of new pharmacy model: socially, professionally and economically sustainable.		
<b>Aim of project/study</b> To assess the ability of selected Italian pharmacists to complete Medicine Use Review documentation following provision of MURs To determine the type of Pharmaceutical Care Issues pharmacists identify during MURs		
<b>Method</b> <b>Multicentric study:</b> 80 pharmacists equally divided in four Italian locations, Turin, Pistoia, Brescia and Treviso. Develop training materials and deliver face-to face training, including use of online MUR template. Collect and analyse data from MUR template (online)		
<b>Inclusion criteria</b> Pharmacies: must have a consultation area and internet connection Pharmacists: qualified and registered in Italy, experienced in providing advice to patients, good and up to date consultation skills, good communication skills Patients: ≥ 18 years of age, using asthma medications		

**Results**

612 MURs were performed between October and November 2012. Patients were 45.1% (n=276) male and 54.9% (n=336) female; their age was not normally distributed, higher numbers were found between 61 (20.9%, n=142) and 80 (20%, n=136) years of age. 49.8% (n=305) confirmed that they missed doses or changed when taking (non-adherent). 854 PCIs were identified by pharmacists and the most common were 161 education required, 137 monitoring issues, 112 discrepancies between dose prescribed and dose used. 111 patients confirmed that asthma was well controlled, 320 complained about shortness of breath, 126 night awakening, 158 needed rescue medicine, 244 limitations on activity and 175 complaints were classified as other (fatigue, cough, lost of voice, muscle pain). Positive correlation (Goodman's gamma = 0.693) was found between how patients were getting on with their medications and the fact that the medicines were working ( $p < 0.001$ ).

**Conclusions**

Pharmacists found that 50% of the patients were non-adherent to their asthma treatment. The MUR training enabled pharmacists to understand PCIs and identify them when conducting MUR service. Preliminary results suggest Italian pharmacists could deliver an MUR service to benefit patients with asthma

+++ NB: PhD students still pay the early bird fee for their abstract if their abstract is accepted ++++