

A 72 hours training program for pharmacy residents to perform secure, optimized and standardized medication review orders: a proof of concept

European Statement:

- Education and Research

Author(s):

Sophie Renet

Florian Le seigneur

Ratiba Haddad

Andre Rieutord

Marie Camille Chaumais

What was done?:

A training program for pharmacy residents was developed and implemented. The aim was to develop the skills of the residents to allow them to perform, after 72 hours, a secure, optimized and standardized (SOS) medication review orders, according to the specificities and the “real-life practice” of the clinical department.

Why was it done?:

The high turn over rate of medical and pharmacy residents (every 6 months) could jeopardize the patient’s care management as they generally lack of appropriate skills upon arrival. Our former process medication review was relying on individual and heterogeneous competencies of pharmacy residents likely to lead to sub-optimal medication review and treatment optimisation. We had to design a training program for residents according to the constraints of time and characteristics of related treatment of the considered clinical ward recruited patients.

How was it done?:

Through a collaborative approach (residents and seniors pharmacists, physicians, PhD student in education sciences), ADDIE (Analyse, Design, Development, Implantation, Evaluation) method was used. First, the most frequent pathologies and drugs prescribed in the cardiology department were identified to define specificities and thus custom the educational needs and skills that residents have to acquire to ensure a SOS medication review orders. The program included a 3 steps process over 3 days: (1) recognize the organisation and learning tools; (2) practice 3 clinical medication review orders simulation; (4) assess and feed-back with a senior clinical pharmacist. Some learning tools were developed: a training tool kit to guide the learners ; an aid kit, including a SOS medication review orders algorithm to follow throughout the whole process. Two years after implementation, 4 pharmacy residents have used this training program.

What has been achieved?:

Our 72-hours-training program is routinely used for new pharmacy residents. It has been implemented successfully with a high acceptance. They also felt more comfortable to suggest therapeutic advices to the physicians.

What next?:

The proof of concept of SOS was successfully done. We are currently extending it for 5th year pharmacy students and develop similar training program for other clinical wards (Surgery, oncology, immunology). In 2017, we expect to share it with our pharmacist colleagues working in the two closest hospitals.

Keywords:

- Clinical pharmacy›Medication review
- Education and research›Hospital pharmacy education
Quality›Quality improvement