

## POSTER ABSTRACT

# Medication review by community pharmacists, general practitioners and nurses in the province of Luxembourg: an integrated approach.

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### ***Introduction***

Healthcare systems worldwide are challenged by aging populations, non-communicable diseases and polypharmacy. All three factors may contribute to the risk for drug-related problems (DRP). DRPs are responsible for 5–17% of acute hospitalizations and by interfering with desired health outcomes, they pose both health and economic problems. A paradigm shift in healthcare policy is needed. Belgium started 12 local pilot projects to better streamline care for people with a chronic condition and to test different strategies for implementing integrated care. The Chronilux project (Luxembourg, Belgium) is aiming to assess the feasibility and impact of medication review (MR) in the care pathway of a chronically ill patient by a more integrated approach.

### ***Brief description of the change in practice implemented***

A structured pathway, involving the family pharmacist and the home care nurse, with the patient and the caregiver at the centre of this pathway, will enable a more comprehensive approach to care thanks to sharing of professional skills leading to a clear increase in the quality of care. The general practitioner remains the key person in charge of the medical record, but multidisciplinary collaboration enables a safer and more effective pharmacotherapy. Healthcare providers find their rightful place within a clearly defined framework.

### ***Objective and theory of change***

To assess the feasibility and impact of MR in the care pathway of a chronically ill patient through an integrated polymedication management.

### ***Target population and stakeholders***

Outpatients taking at least 5 chronic medications and living in the province of Luxembourg. All relevant professional organizations are involved in the project. Chronilux is financially supported by the federal government.

### ***Timeline***

Co-creation process (2020) and pilot (2021)

### ***Highlights (innovation, impact and outcomes)***

The integration of care is facilitated by a streamlined organization of work and a common vision of care. The co-creation process has already led to quality networking and the organization of multidisciplinary meetings with shared experience.

### ***Conclusions (including key findings)***

A MR is a promising service to proactively detect DRP, to support evidence-based medication use and to provide individualized counselling to polymedicated patients. However, the effect is reduced if this isn't done in a multidisciplinary setting.

### ***Lessons learned***

The current healthcare system in Belgium needs to change in order to provide better responses to the challenges of the future. The Chronilux project, by the richness of its network and the benevolent collaboration of all the actors in the field in the co-creation process, is an excellent gateway to these changes.

### ***Comments on sustainability***

Pharmacists, doctors and nurses are stakeholders in the project. Funding for the development of integrated care projects exists, but is currently insufficient to provide a long-term effect. At a time when the authorities want to improve patient experience, better health outcomes, reduce cost of care and improved staff experience (quadruple aim), it is essential that funding supports the collaboration between HCP. Promising for the future is the proposal of our federal Minister of Health to prolong the 12 projects till the end of 2022, deciding by then whether or how to continue.