Linking the shared treatment plan to clinical and decision support systems

Stéphane Spahni*, Alberto Guardia*, Thomas Boggini*, Antoine Geissbuhler*

*eHealth and Telemedicine division, University Hospitals of Geneva (HUG), Geneva, Switzerland

Abstract

Based on previous experiences of educating patients about their medications, and through an iterative process involving all key stakeholders, a shared treatment plan tool has been developed for MonDossierMedical.ch, a service of the e-toile regional health information exchange (HIE) platform. It is based on the secure architecture of federated documents, and is organised in a modular way to enable various interfaces with existing prescription and dispensing systems. Although the first phase provided only a web-interface on the MonDossierMedical.ch portal, the second phase introduces integration mechanisms that are used to streamline processes around medication reconciliation. A true integration of this tool into existing environments and systems (hospital information systems, private practices, pharmacies, etc.) then becomes possible. Support for the integration with larger projects such as epSOS, the European-wide interoperability eHealth platform, is also one of the objectives of this second phase. In addition to communication with external stakeholders, decision support system services are integrated into the global process for providing valuable advice to prescribers. The usefulness of the first phase has been demonstrated on the e-toile platform, where it has been in production since summer 2012. Initial feedback from key stakeholders shows again a high interest in this forthcoming functionality.

Key words: Shared treatment plan, e-prescription, healthcare network, IHE, CDA

Correspondence:
Stéphane Spahni
Service de cybersanté et telemedicine
Hôpitaux Universitaires de Genève
4 rue Gabrielle-Perret-Gentil
CH-1211 Genève 4
stephane.spahni[at]hcuge.ch