



**Synthesized Goal Model: A summary of the lead users' key goals for medication reconciliation.**  
 This model describes the simple care system around the patient (with providers, the PHR, and other source health information systems) illustrated and the goals linked between them. We identified five main goals for the Patient actor that the medication reconciliation tool should help achieve: know when to reconcile medications with the help of regular reminders from the PHR, have accurate best possible medication history (BPMHx) in their record, know that the circle of care has access to that BPMHx, access various sources of personal medication information through the PHR (i.e., currently prescribed medications), and, overall, ensure that the medications are being managed safely as a result of healthcare provider being aware of the updated list of medications that the Patient takes. The Provider actor has a goal of being able to access the BPMHx directly from the source as well as a goal of receiving updates regarding medication changes from the Patient. The goals between the PHR and the Source Health Information System are for the Source HIS to have access to the most current Patient BPMHx and for the PHR to have the list of likely medications for BPMHx to ensure that the Patient has relevant information for the process of medication reconciliation. The key common goals in the model relate to appropriate and timely sharing of information to ensure safe medication management.

