

Secure Messaging for Medication Reconciliation Tool (SMMRT): a "smart" approach to post-discharge medication reviews

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Goals

To improve the safe and effective use of medications among patients following hospital discharge

Aims / Hypothesis

AIM 1 Understand how "Secure Messaging for Medication Reconciliation Tool" (SMMRT) could be utilized after hospital discharge

AIM 2 Characterize Veteran/clinician perceptions and usability testing of SMMRT

AIM 3 Refine SMMRT prototype to establish secure two-way communication between patient and healthcare team

AIM 4 Pilot SMMRT prototype among Veterans returning home after hospital stay

HYPOTHESIS: pharmacist-facilitated medication reconciliation via secure messaging may improve medication safety in the post discharge period.

Methods

Subjects & Study Design

- Secure messaging observations at 3 primary care clinics within the VA Boston system (Winter 2012)
- In-depth interviews with 15 primary care clinicians to understand perceptions of medication reconciliation and secure messaging (Spring 2012)
- Pilot SMMRT among 50 Veterans being discharged from hospital to home
- (Summer 2012)

Outcomes & Analysis

- Qualitative analysis of interviews using Nvivo to elicit themes and shared perceptions
- Descriptive analysis of secure messaging observations
- Process-related outcome measures for medication reconciliation and secure message exchange in the pilot phase









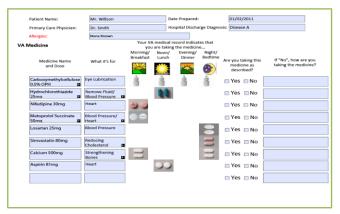
Discharge Medication Lists for Patients

Current Format



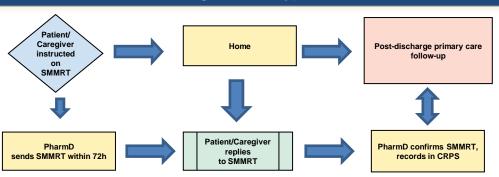
SMMRT Prototype

- Patient friendly
- Administration schedule
- · Real-time medication photograph



Pharmacists can triage, address or relay medication issues, which may reduce adverse drug reactions and healthcare utilization

SMMRT Pilot



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