Interactive Technology Support for Patient Medication Self-Management

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Project Description

This project supports providers’ ability to educate patients about their medication management and to help patients accomplish self-care goals at home.

Medical language such as medication instructions can confuse patients.

“2 tabs b.i.d.”

“Take 2 tablets 2 times a day, in the morning and evening”

Develop Natural Language Processing tool that generates patient-centered language from technical medication information in EMR.

Integrate patient-centered language into Conversational Agent (CA) ‘medication adviser’. CA presents medication information to patients, emulating face-to-face communication best practices.

We are developing tools that automatically translate medication information in electronic medical records (EMR) into language they can easily understand and use, and integrate this language into a computer agent (avatar) to effectively present that information to the patient.

“Take 2 tablets 2 times a day, in the morning and evening”