

Movement to Empower Community on Medication Adherence.

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Overview

In 2007, the joint commission stated, "The safety of patients cannot be assured without mitigating the negative effects of low health literacy and ineffective communications on patient care". Low health literacy is common among the caregivers or patients or the family members and affects their understanding of complex medication regimens and adherence to medications. Interventions are needed to improve medication use among Home Health Care patients, while addressing low health literacy. We selected adult and pediatric patients under Home Health Care Services. They completed a baseline measure of health literacy, medication self-efficacy, and medication adherence. They were provided with a personalized, illustrated daily medication schedule (Pill Card Template). Three months later after providing education about pill card, their medication self-efficacy and adherence was reassessed. Among the 10 participants in this pilot project, 90% had high likelihood of limited health literacy and took an average of 7.5 prescription medications. Both self-efficacy and medication adherence increased significantly after provision of the Pill Card Template (54%,45%, respectively). All participants rated the Pill card Templates as very helpful in terms of helping them remember the medication's purpose and dosing. Illustrated pill cards improve medication self-efficacy and adherence among Home Health Care patient.

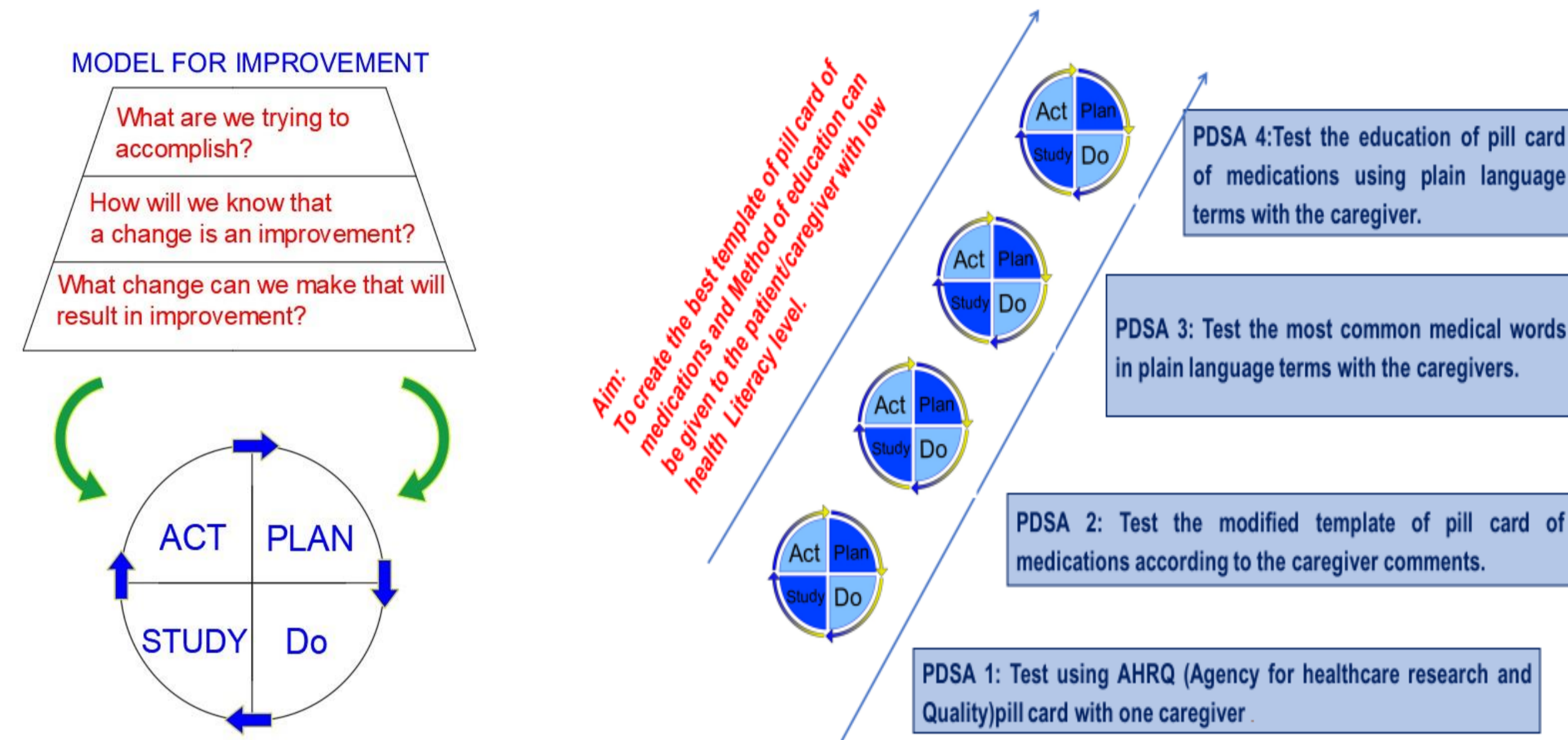
Learning Objectives

- 1-Improvement in self efficacy of medications of the caregivers with low health literacy using Pill card template .
- 2-Improvement in Medications Adherence of the caregivers with low health literacy level.
- 3-Decrease in administration errors of medications with caregivers with low health literacy level.
- 4-Starting using Plain Language during education of the caregivers.
- 5-More Engagement for the caregivers with low health literacy level in education about pill card template and using it with the patient.

Methodology

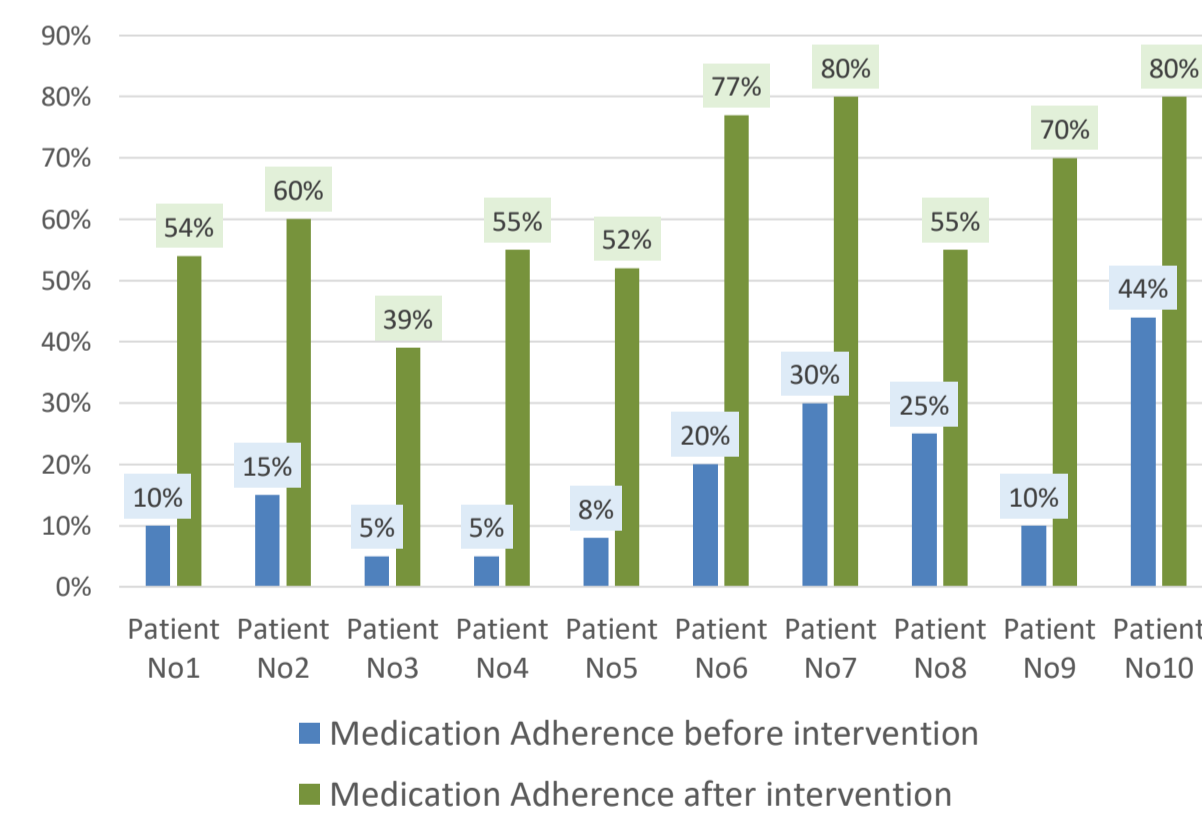
We selected 10 patients from adult and pediatric patients under Home Health Care Services. They completed a baseline measure of health literacy, medication self-efficacy, and medication adherence. Within 3 months, we developed for each patient personalized, illustrated Pill Card (includes pictures of medications boxes, uses, doses and time of administration) and started educations about their medications and using pill card. Three months later, their medication self-efficacy and adherence was reassessed.

Methodology

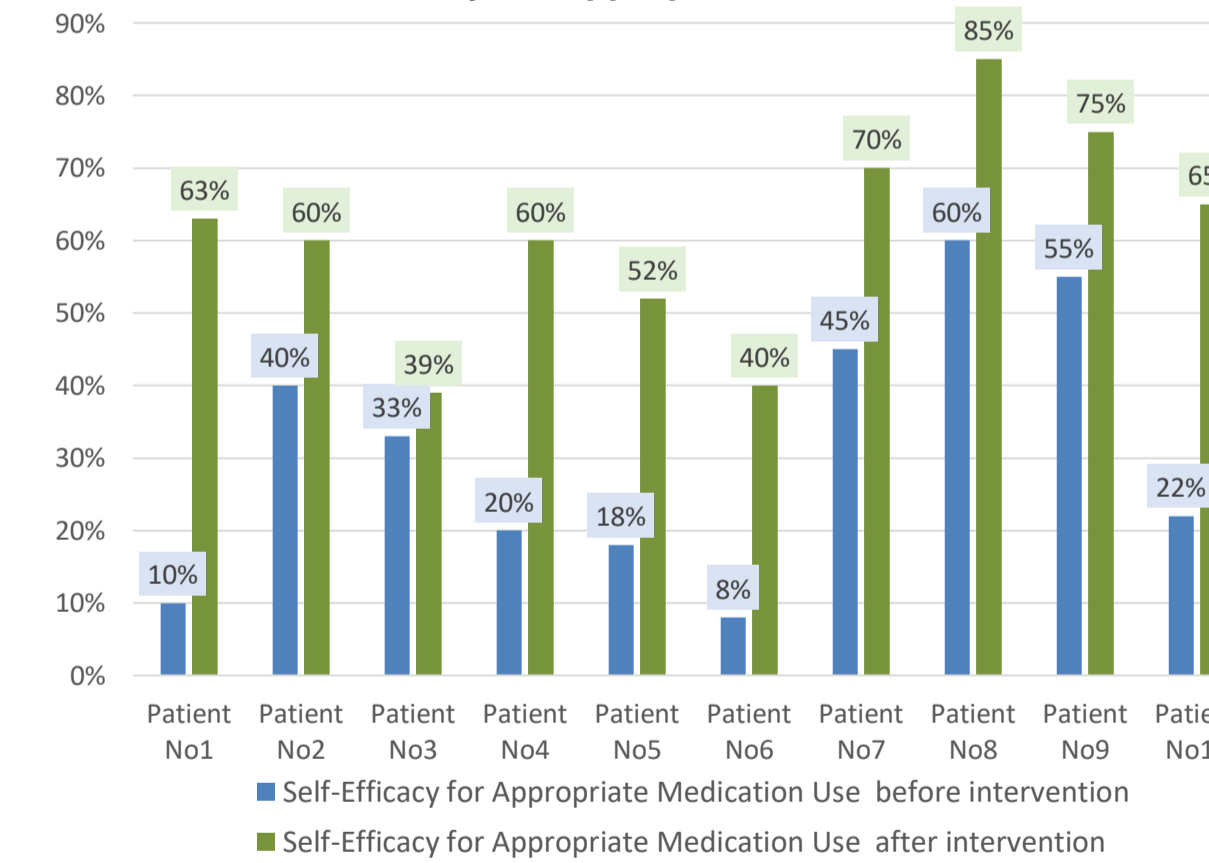


Results

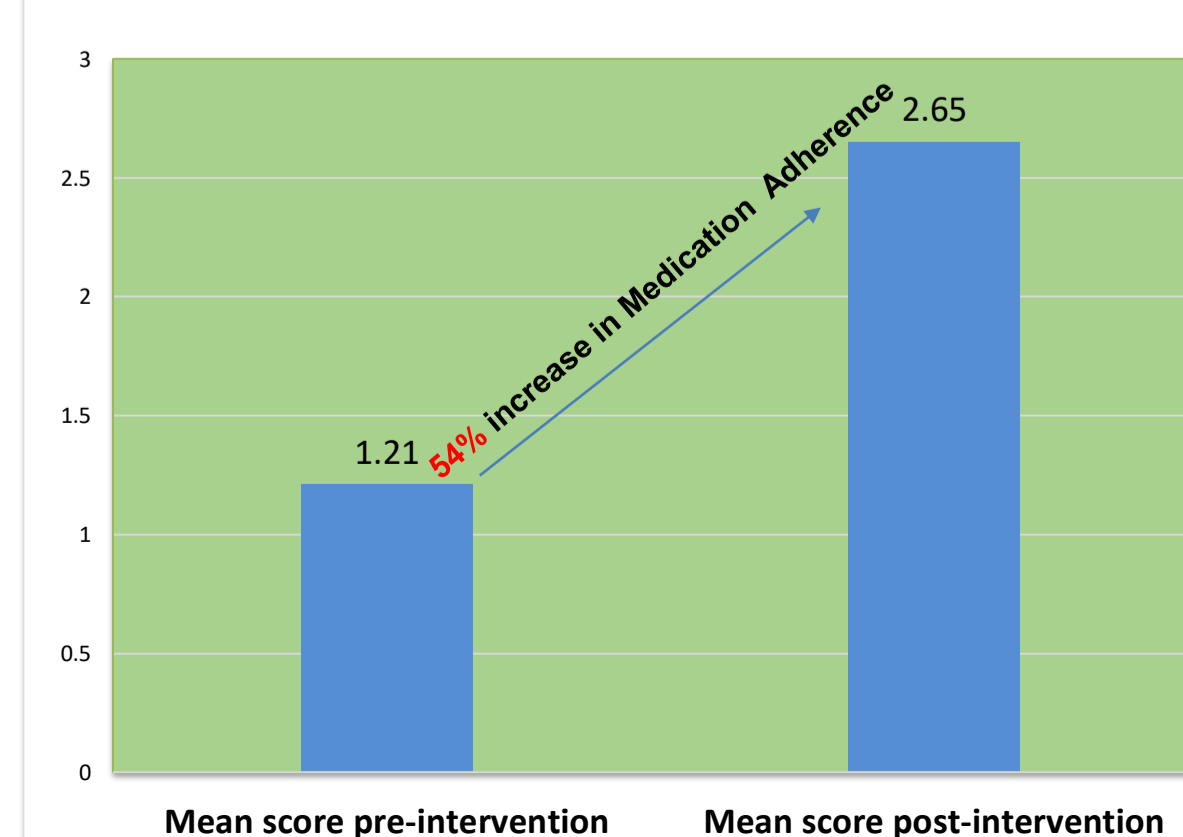
Medications Adherence of HHCS Patients



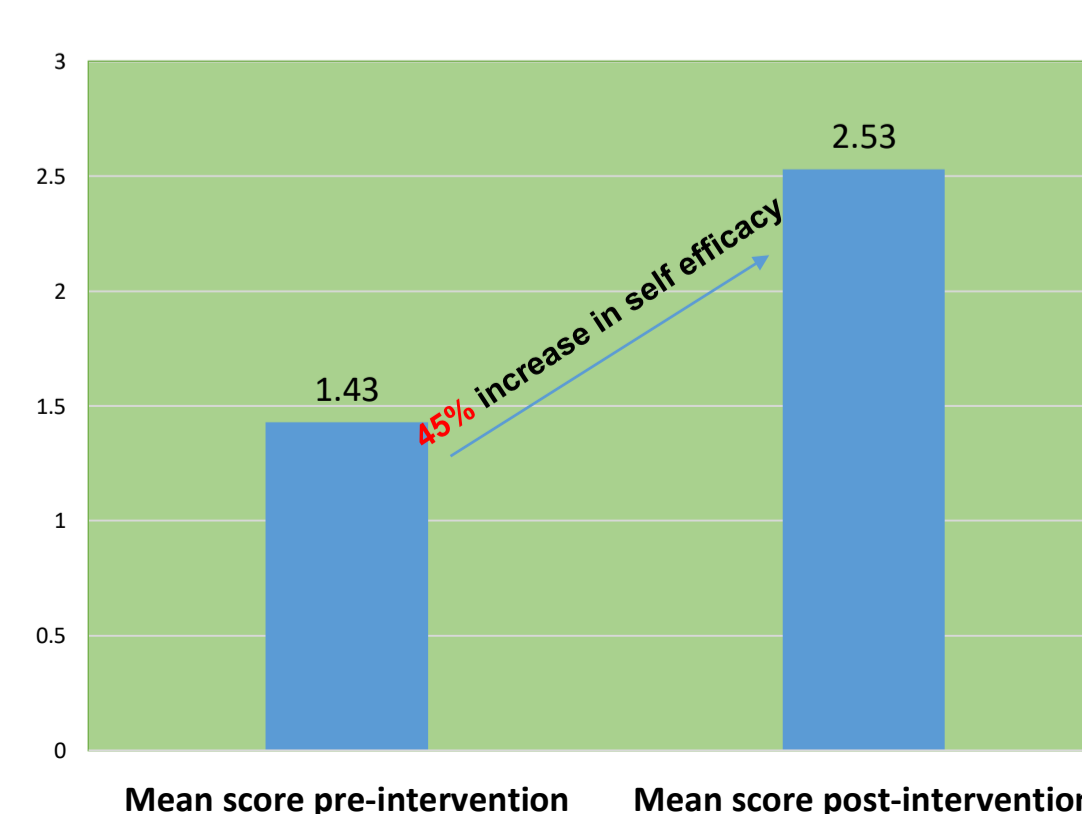
Self-Efficacy for Appropriate Medication Use



Mean Score of Medications Adherence



Mean Score of Self-efficacy for Appropriate Medications use.



Pill Card Template

Drug Name	Uses	Instruction	Morning	Afternoon	Evening
ZESTORETIC 20	One tablet once daily	حبه واحده يوميا			

Conclusions

- Home Health Care Service (HHCS) can improve safety of patients with caregivers with low-health Literacy Level.
- Pill Card (Visual Pictures of Medications and uses) is very helpful tool to improve Medications Adherence and Self-Efficacy of Medication use.
- All participants in the project rated the Pill card Templates as very helpful in terms of helping them remember the medication's purpose and dosing
- To influence other Hospital to use pill cards during discharging the patients.

Project Sponsors

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Dr. Afif Mohamed Ali Ahmed , AED pharmacy.

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