

Improving Young and Older Adults' Memory for Medication Side Effects Mia Clark, Kate Lindig, Addison L. Babineau, Sarah K. Tauber, & Robert Ariel

Introduction

- > Nearly half of older adults have a chronic condition, and more than half take 5 or more drugs concurrently (Qato et al., 2008).
- Unfortunately, 50% of older adults have medication adherence issues (Gellad, Grenard, & Marcum, 2011; WHO, 2015)
- > Older adults avoid using memorybased strategies (Touron & Hertzog, 2004)
- \succ However, a strategy intervention that provides retrieval practice instructions to learners can improve younger adults' selfregulated learning (Ariel & Karpicke, 2018)
- \succ In the present study, we examined if a similar intervention could improve older adults' self regulated learning of important health-related information.
- > We hypothesized that older adults who received the intervention promoting retrieval practice would perform significantly better on a test of medication side effects than would older adults who did not receive the intervention.



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Participants and Materials:

 \succ Studied a list of 20 medication-side effect pairs (*e.g.* instructions modeled after Ariel and Karpicke (2018) times before you try to stop learning it! **Procedure:**

Intervention or No Self-Regulated Learning Instructions



egin. Drag it to one of the 3 piles to o learn that medication and its side dditional cards you want to learn. you want to learn, hit the start g the strategy you selected.	Study Pile			Mobic - Nervous
done pile self on t	Practice Test Pile			Next
		Start		What is the side effect of t
	Done Pile			Lanoxin - ? Please type your response and press
st	What	t is the side	effect of this drug?	
		Lanoxi		
		Please type your res	sponse and press Enter	



Future research should match the intervention with specific medications used by participants and measure health outcomes