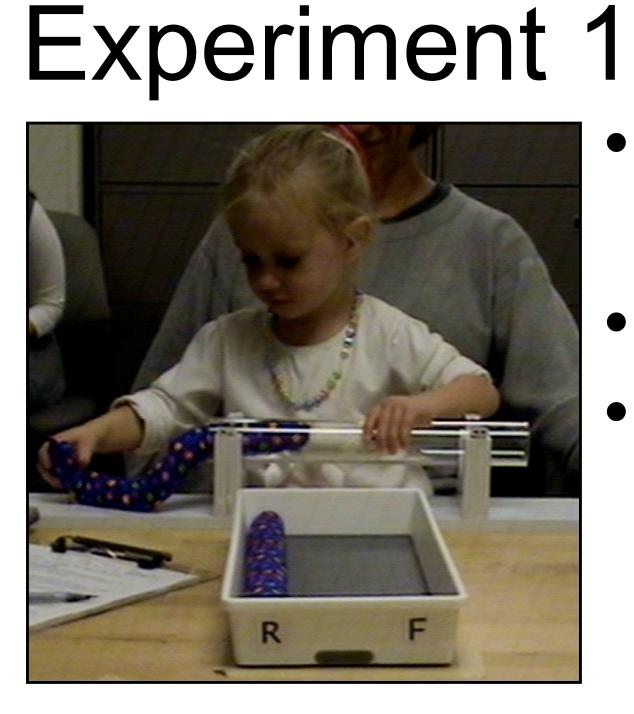


Main Questions

- Exp 1: Can young children learn to use tactile information to plan their actions?
- Exp 2: Can visual cues improve preschoolers' use of tactile information?

Background

- Tactile information about an object's material substance is essential for planning goal-directed actions.
- Young infants are sensitive to tactile information about objects (Bourgeois et al., 2005).
- In this study we examined whether infants are able to use tactile information to plan their actions in a tool-use task.



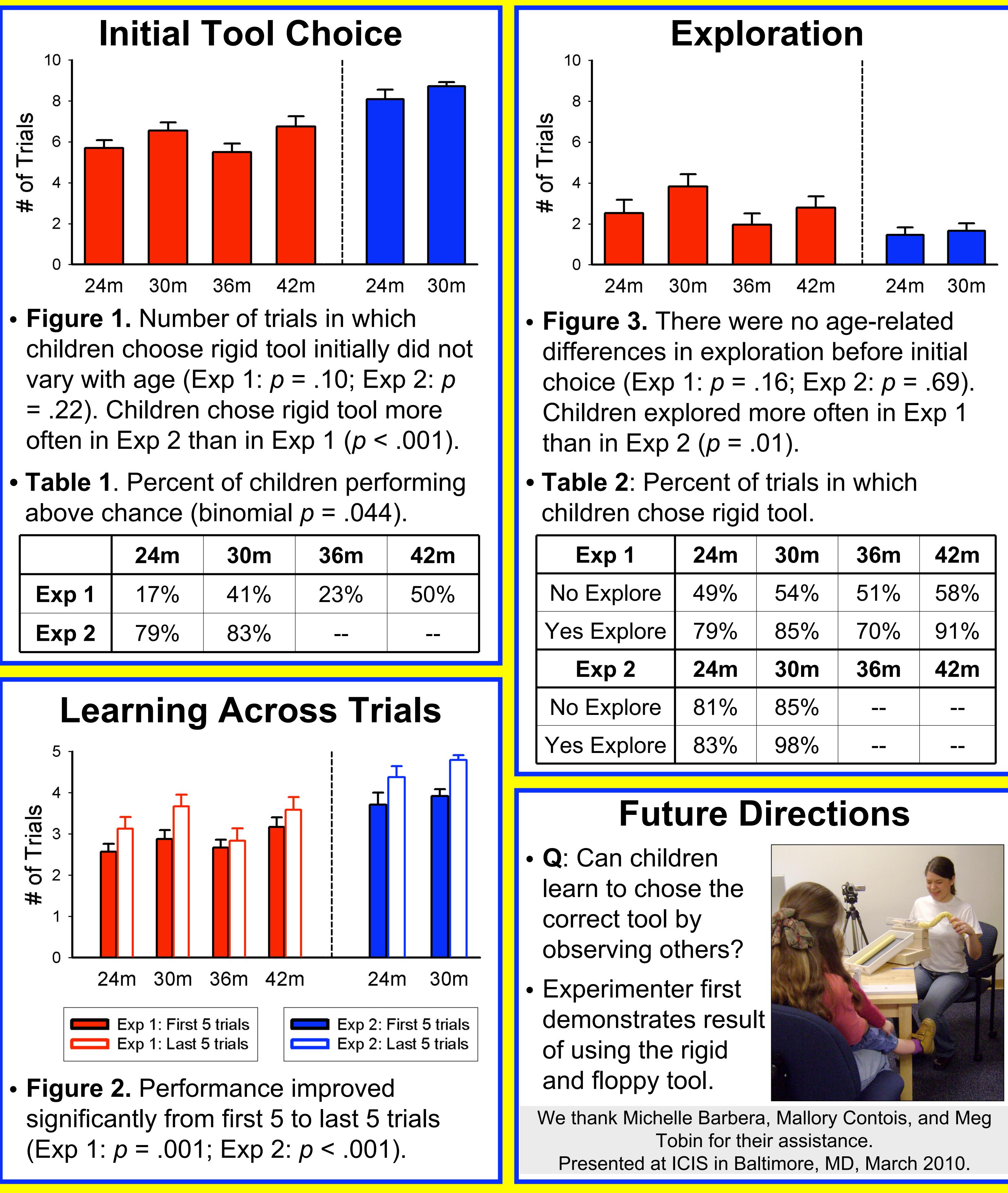
Experiment 2



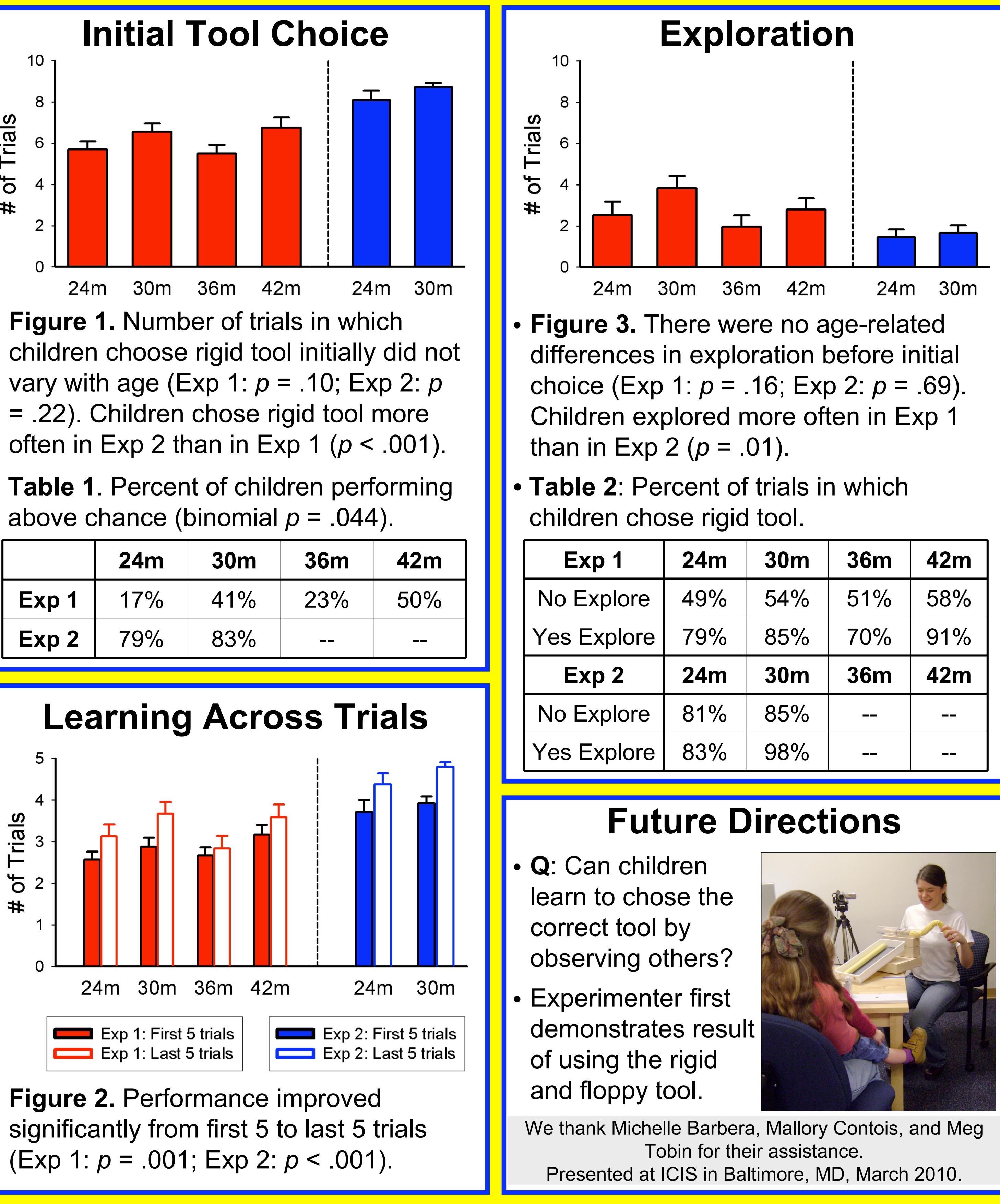
Method

- 24-, 30-, 36-, & 42month-olds (n = 95)
- 10 test trials
- Tools were visually identical and differed in rigidity only
- 24- & 30-month-olds (n = 48)
- 10 test trials
- Tools differed in rigidity and color (e.g., on all trials: red = rigid, blue = floppy)

The Development of Preschoolers' Use of Tactile Information for Goal-Directed Actions Anna E. Goswick & Amy S. Joh Department of Psychology & Neuroscience, Duke University



	24m	30m
Exp 1	17%	41%
Exp 2	79%	83%



24m	30m	36m	42m
49%	54%	51%	58%
79%	85%	70%	91%
24m	30m	36m	42m
81%	85%		
83%	98%		