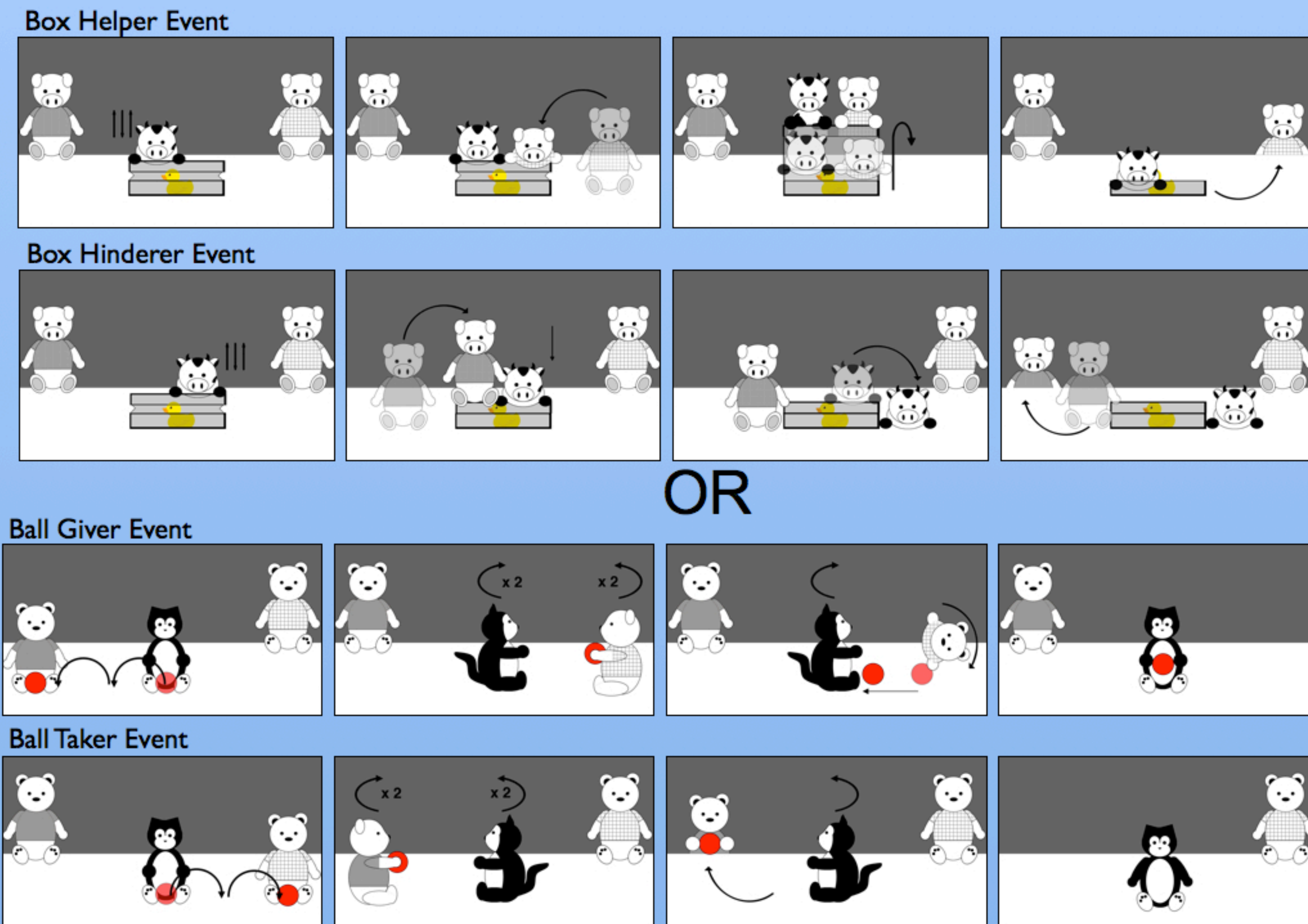
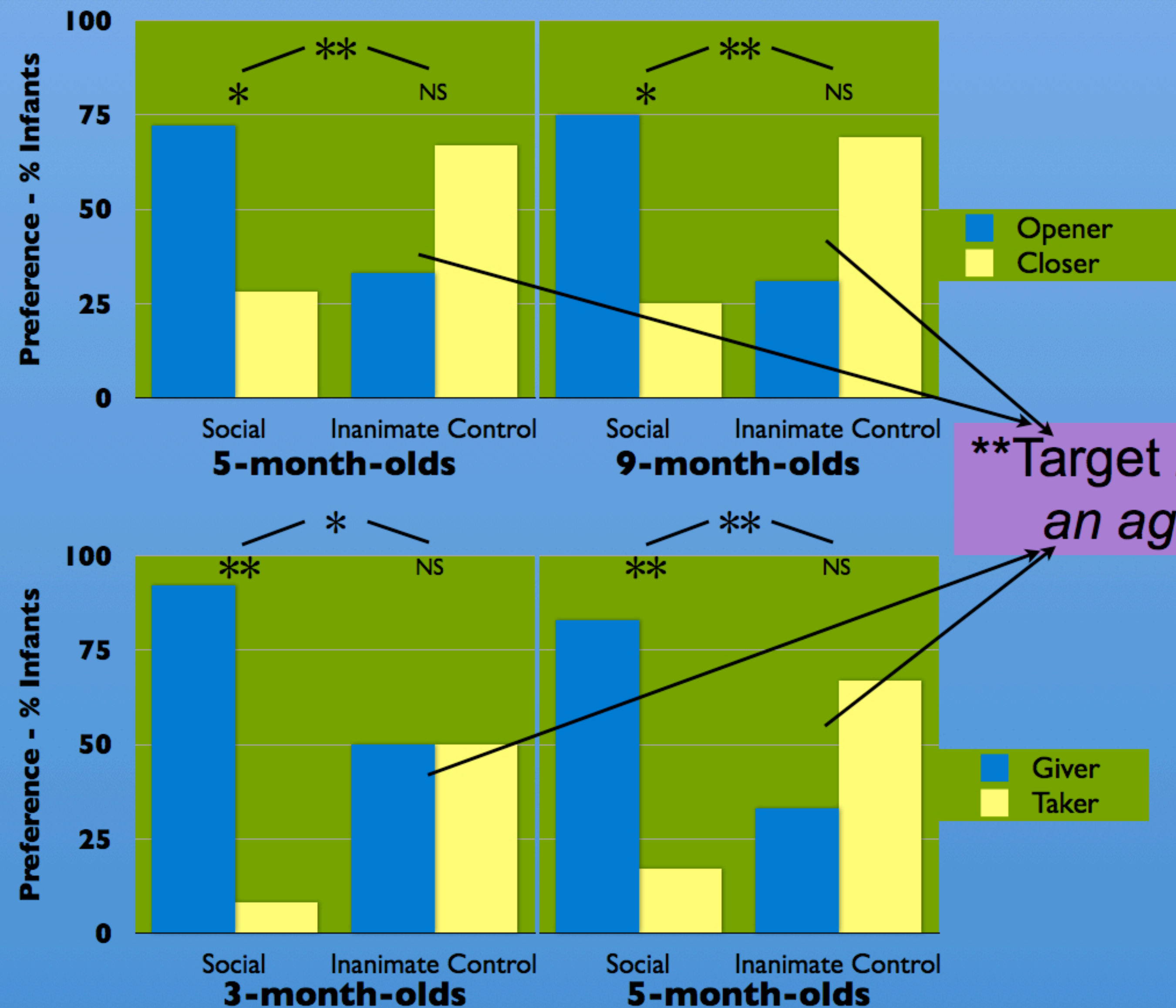


Infants Prefer Helpers to Hinderers

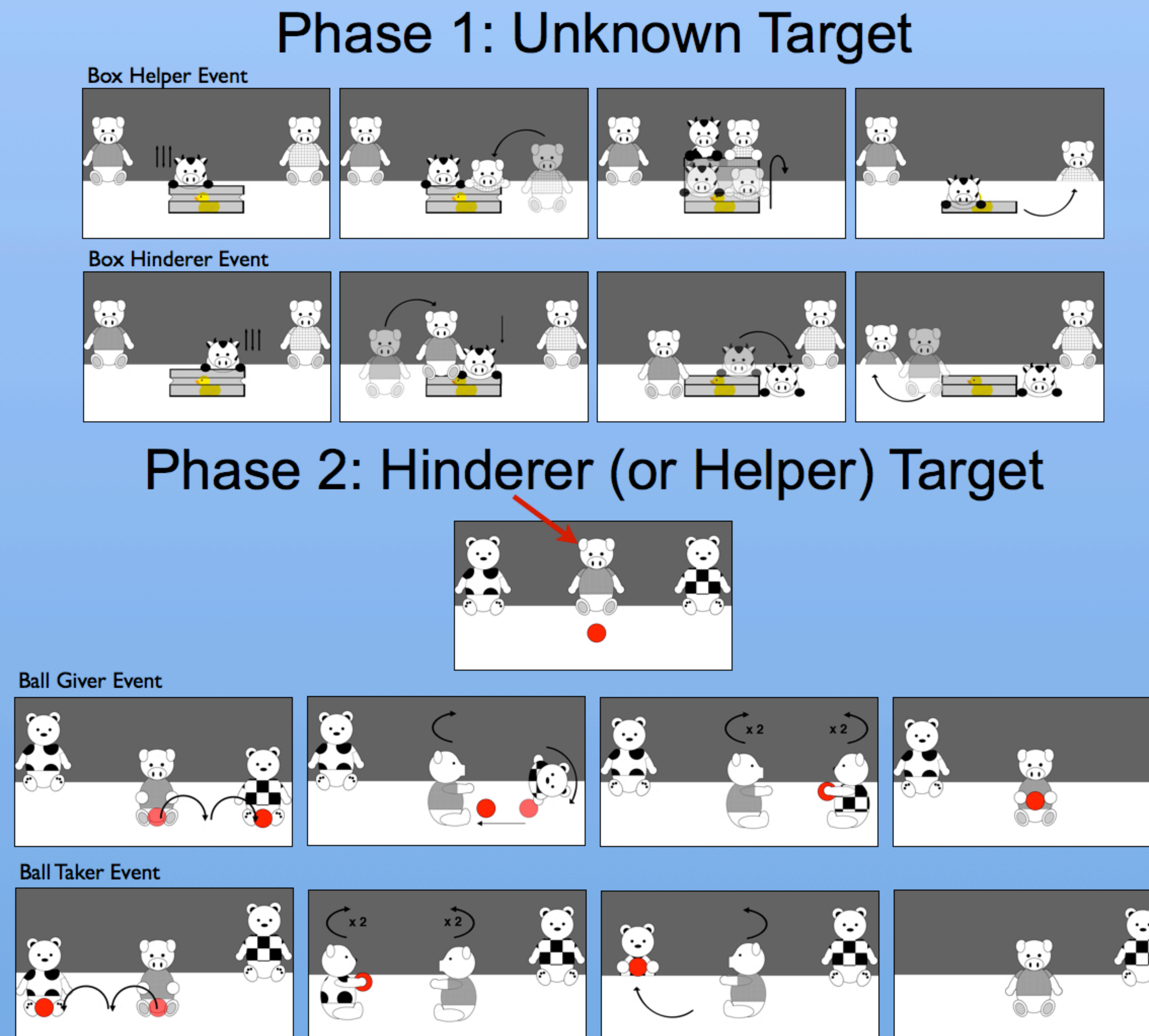


Choice between Helper and Hinderer or Giver and Taker:

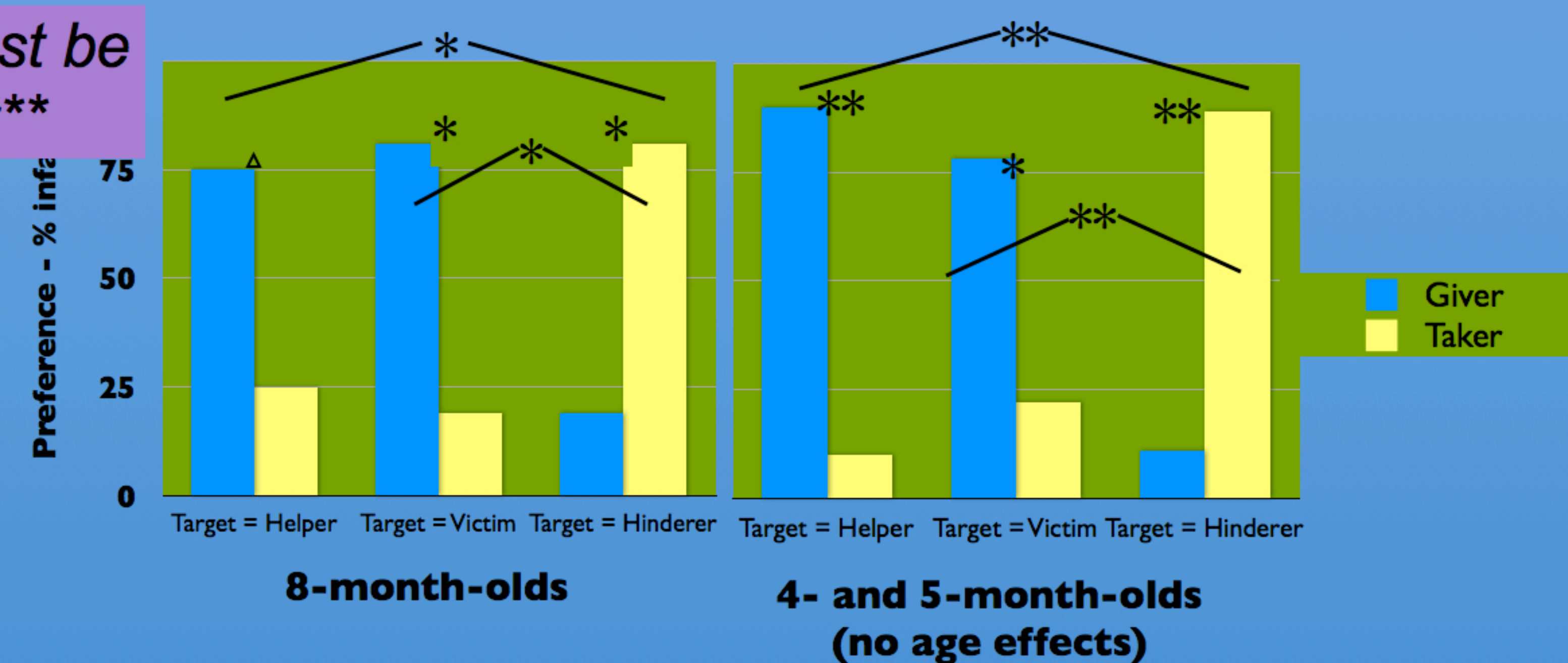


****Target must be an agent****

Infants Prefer Punishers of Hinderers (and Rewarders of Helpers)



Choice between Giver and Taker:



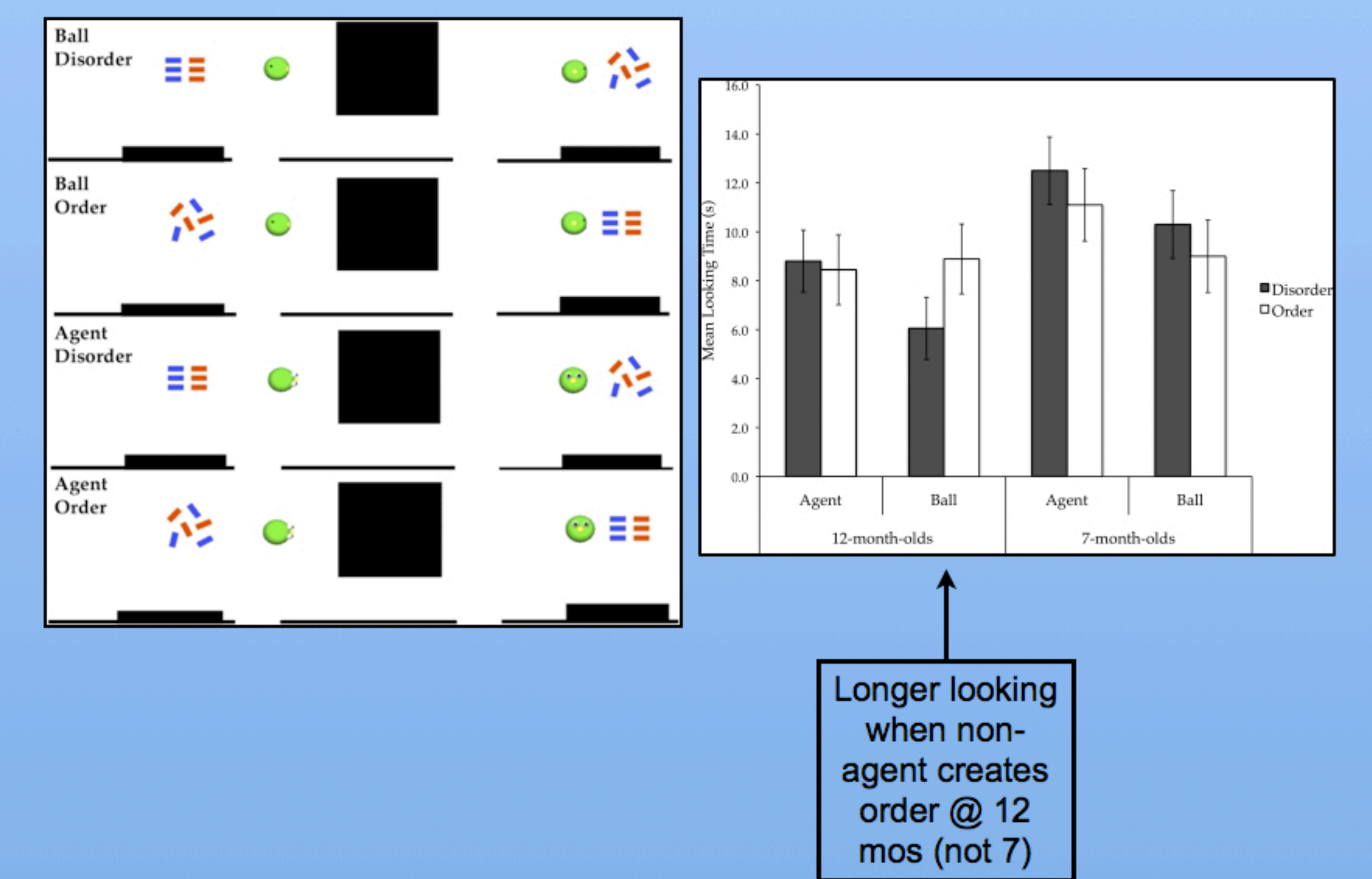
Notions of agency are critical in infants' judgments

Target must be an agent (not a claw) + Actors must be agents (not claws)

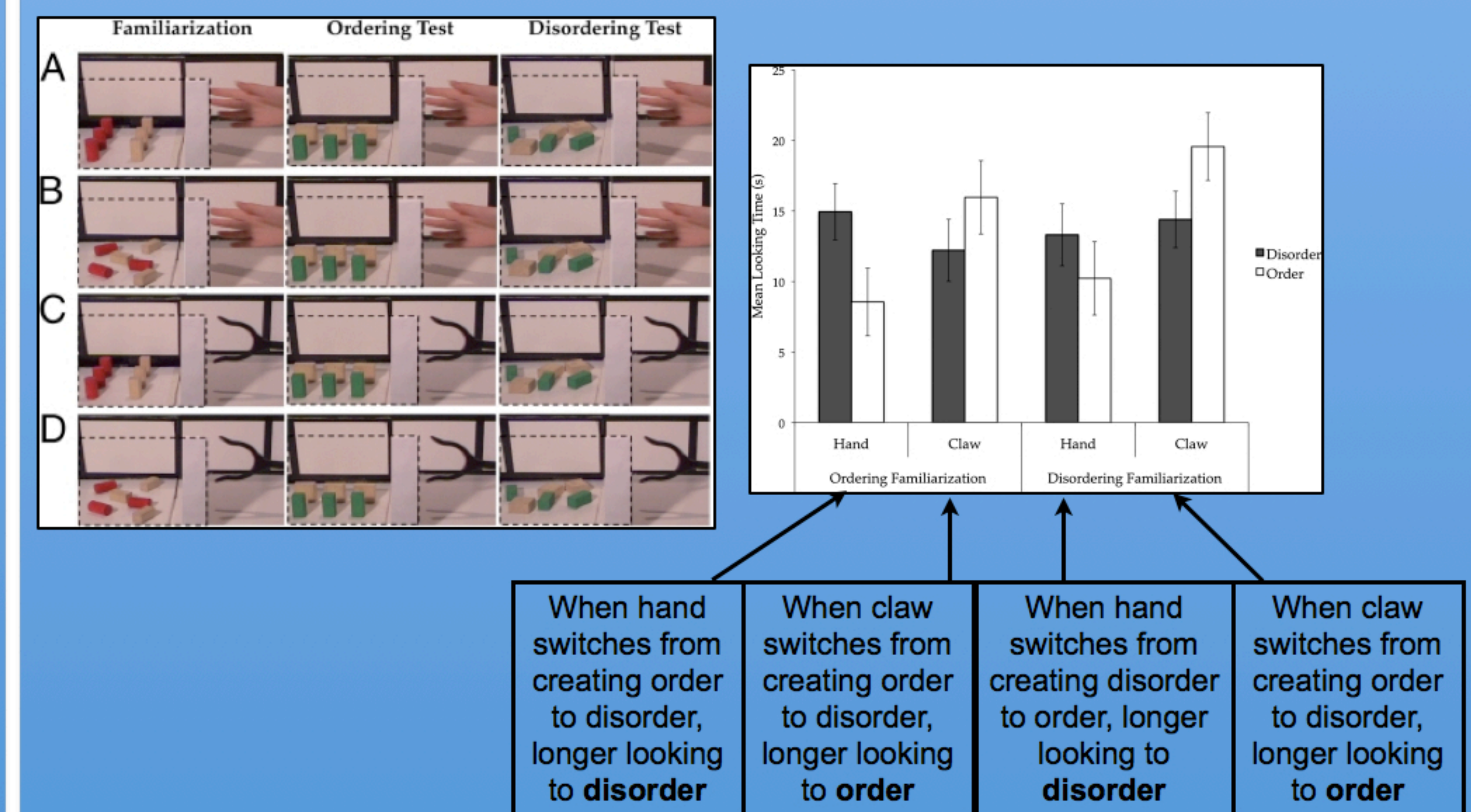
Or babies do not distinguish.

Infants' understanding of order/disorder (e.g., Newman et al., 2007 - with permission)

Study 1: Only agents create order



Study 2: Even when give ordering/disordering info beforehand



Hamlin, J.K., Wynn, K., & Bloom, P. (2007). Social evaluation by preverbal infants. *Nature*, 450, 557-559.

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Hamlin, J.K. & Wynn, K. (2011). Young infants prefer prosocial to antisocial others. *Cognitive Development*, 26, 30-39.

Hamlin, J.K. (in prep). 5-month-olds prefer those who harm hinderers.

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Newman, G., Keil, F., Kuhlmeier, V., & Wynn, K. (2010). Early understandings of the link between agency and order. *PNAS*, 107, 17140-17145.