



The everyday objects that younger and older USA infants hold

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Held objects

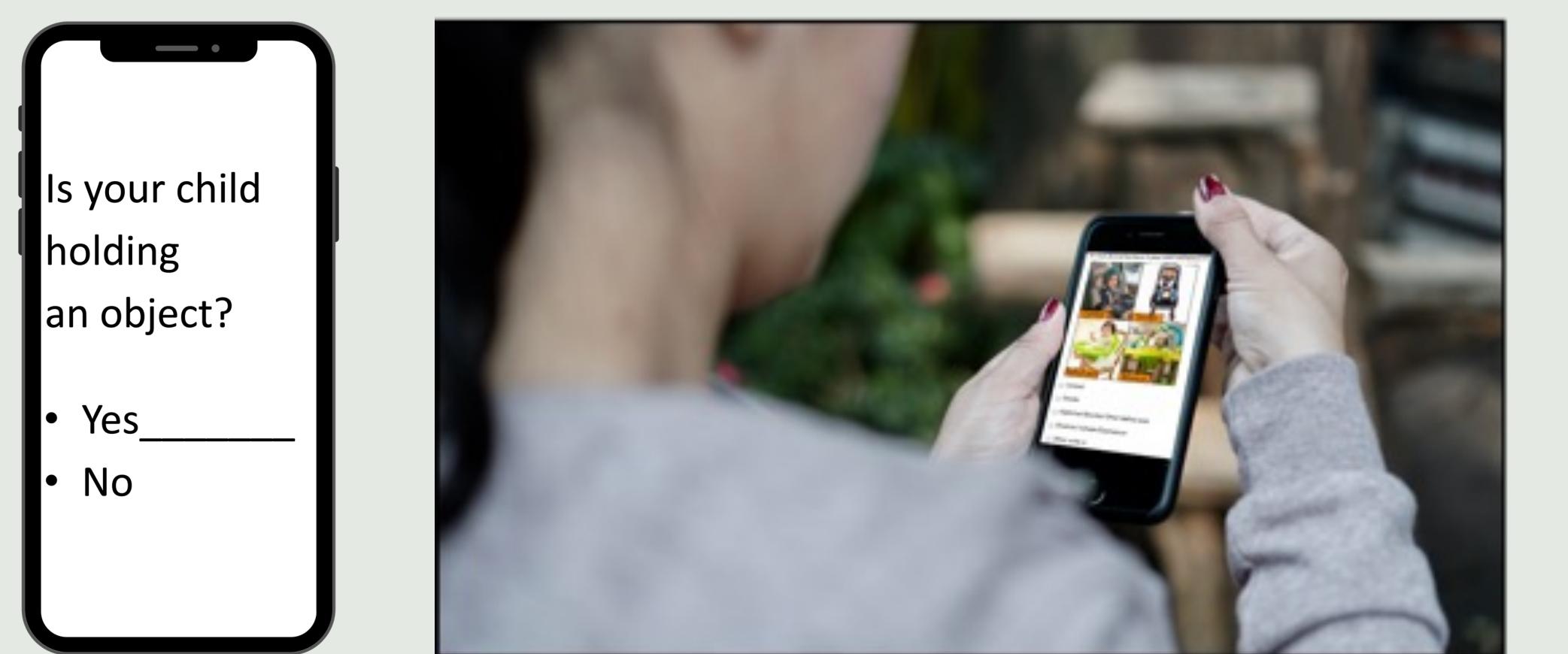
Holding objects is a foundational experience for multiple developmental pathways¹⁻³

Visual pervasiveness associated with object name learning⁴; variation matters for generalization⁵

Infants learn what they see, hear, and do⁶⁻⁷; experiences are often developmentally-ordered⁸⁻¹⁰

What are the rates and details of held object learning opportunities in everyday life?

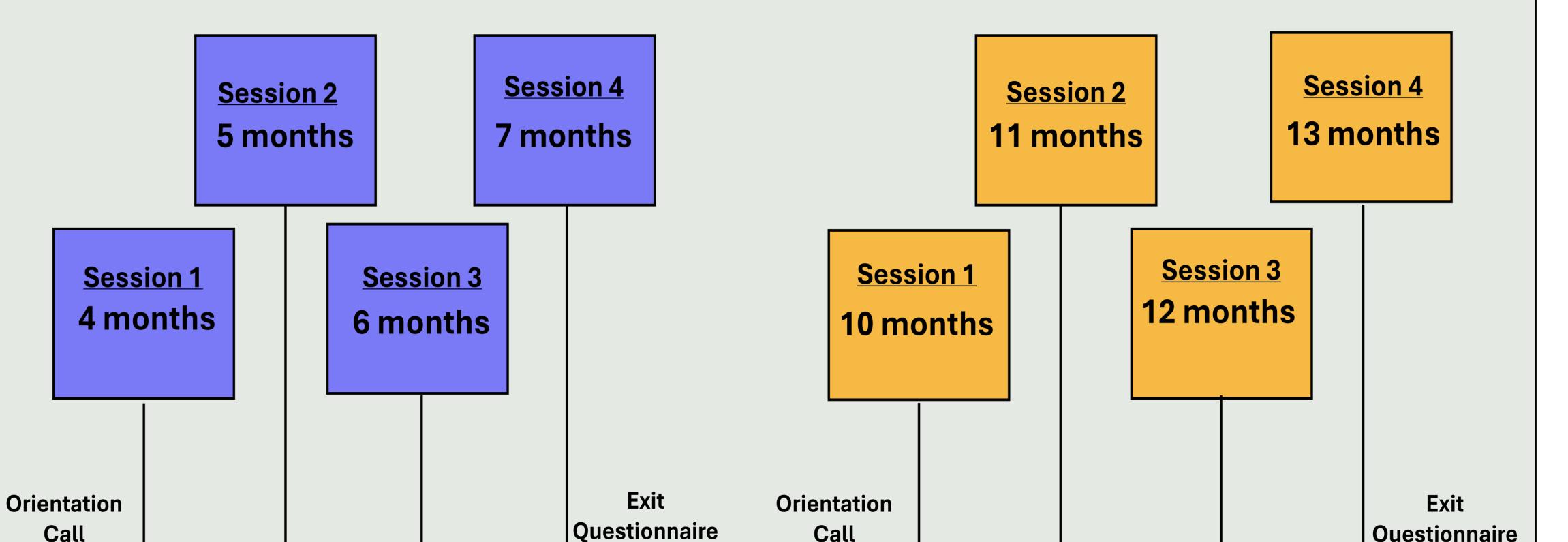
Capturing held objects with ecological momentary assessment¹¹



10 samples per day

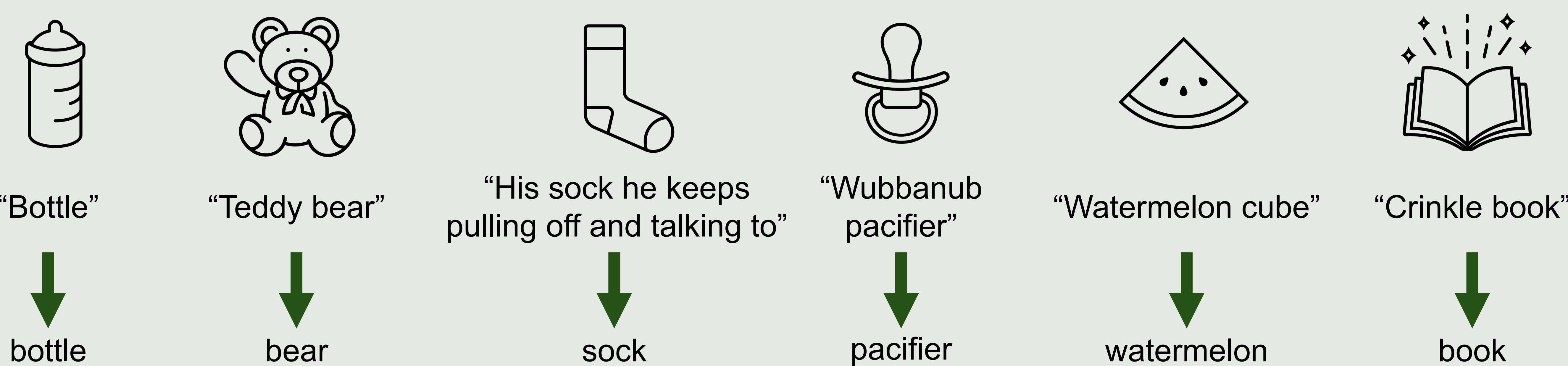
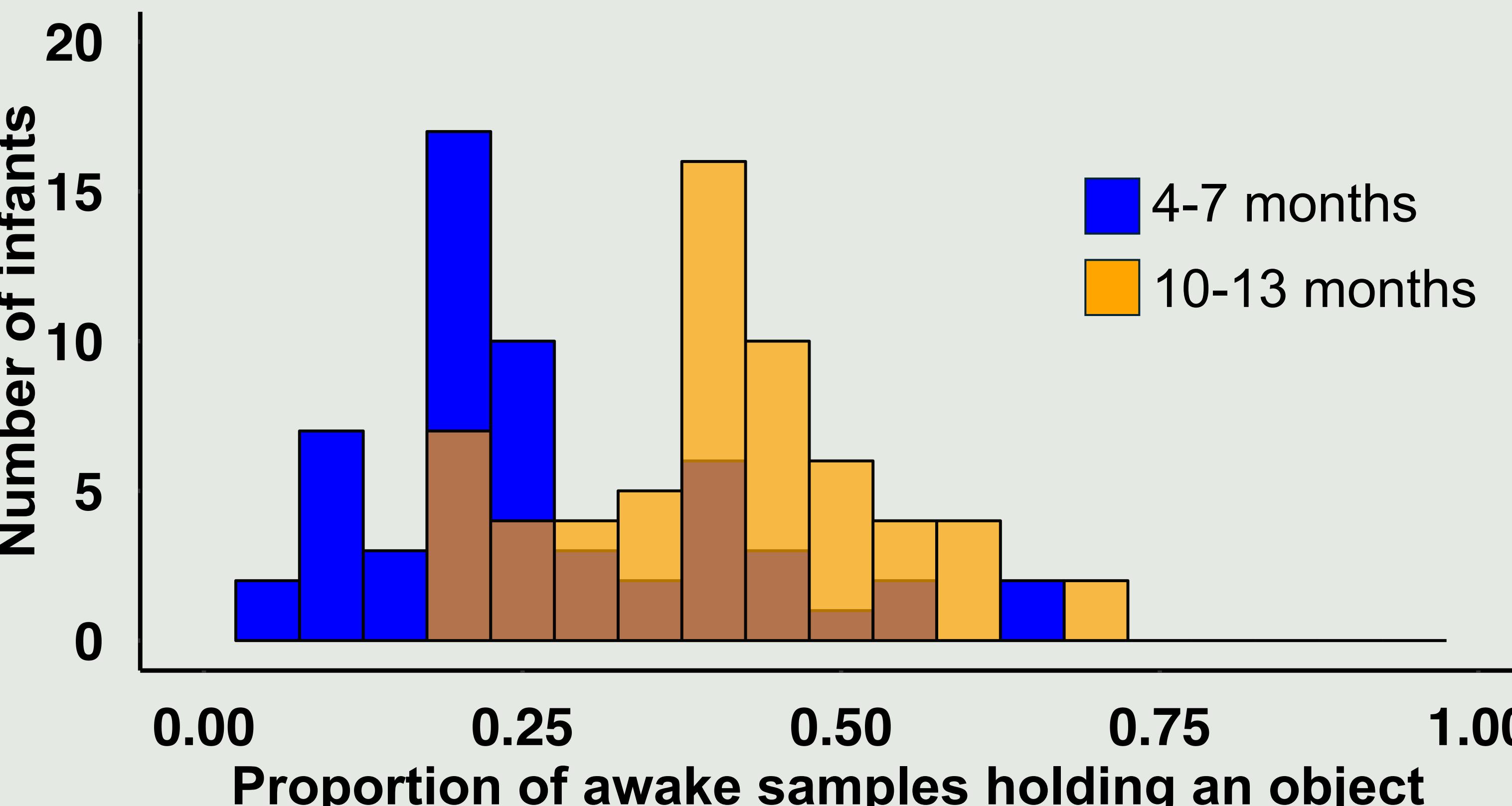
4 days per session x 4 sessions

~80 awake samples per infant on average

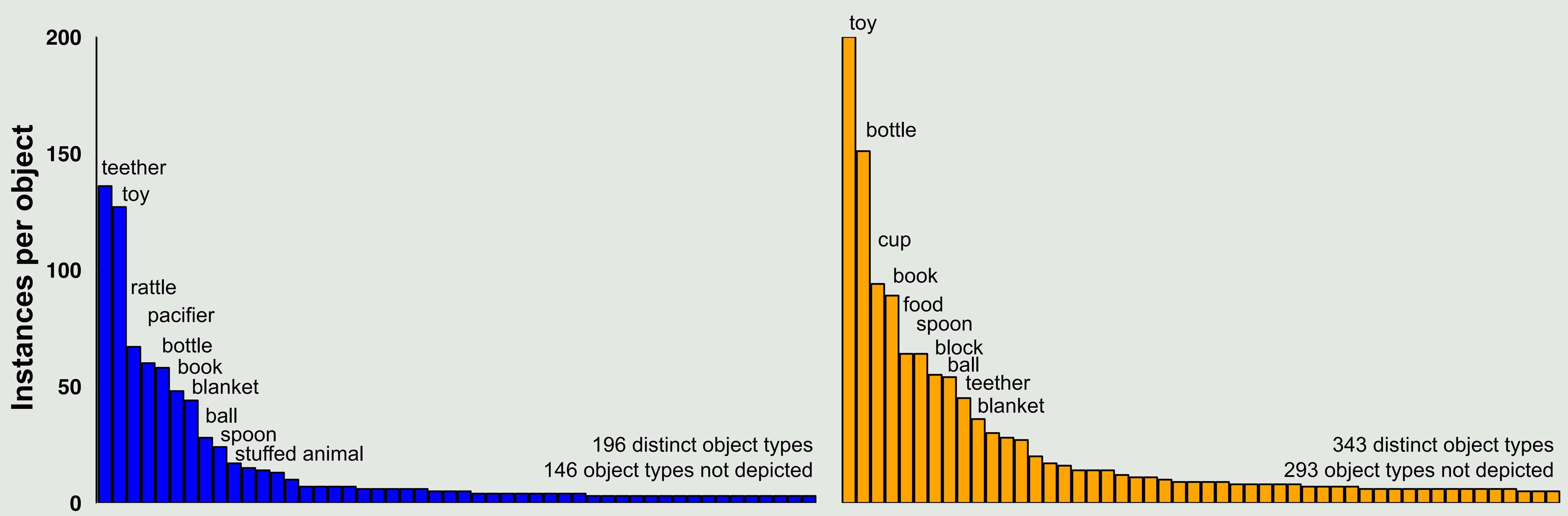


29 USA states; mostly white lower-to-upper SES

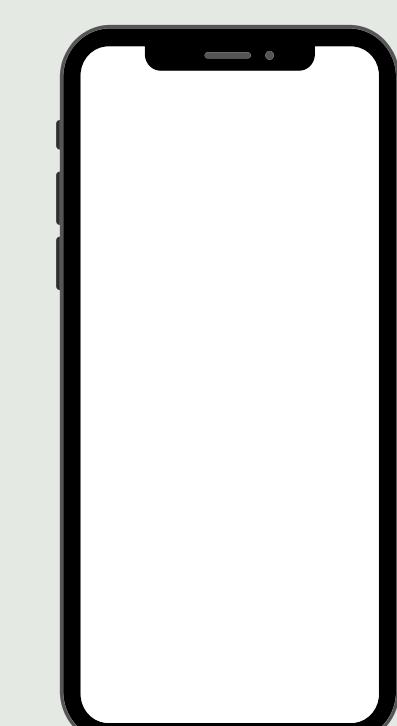
From less to more holding over developmental time



Coherence among diversity in held objects



~2700 instances of infants holding objects



Multi-dimensional experiences¹¹
Restrained/locomoting
Upright, sitting, supine, prone
Interaction partners
Activities

Next steps in advancing theories of experience-dependent development



Individual held object distributions^{6, 12-14}



Repeating + varying features of held objects and their names across encounters¹⁵⁻¹⁶

References & Acknowledgements

- ¹Yu & Smith, 2012; ²Soska et al., 2010; ³Pereira et al., 2010;
- ⁴Clerkin et al., 2017; ⁵Perry et al., 2010; ⁶de Barbaro & Fausey, 2022; ⁷Rachwani et al., 2020; ⁸Fausey et al., 2016; ⁹Smith et al., 2018; ¹⁰Sheybani et al., 2023; ¹¹Franchak et al., 2023; ¹²Wojcik et al., 2024; ¹³Samuelson, 2021; ¹⁴Thelen & Smith, 1994; ¹⁵Ford et al., 2008; ¹⁶Long et al., 2023

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