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Prompting Language Skills among Young Children of Low-SES through Increasing Parental TMW Center for Knowledge and Language Input in Early Years: Evidence from a Randomized Controlled Trial Early Learning + Public Health Christy Leung PhD and Dana Suskind MD

Background

- Enriching early language experiences is a critical step to reduce disparities in young children's vocabulary learning, language development, and later academic skills (e.g., Tamis-LeMonda et al., 2017).
- Supporting parents with knowledge of cognitive and language development provides a strong foundation for fostering caregiver enrichment of their young children's language milieus (Rowe et al., 2016).
- Despite much intervention effort to promote equity in children's early language experience, more research is needed on the process in which increasing parental knowledge would enrich early language input, which in turn promote children's language skills later.
- To address this need, the present longitudinal randomized controlled trial study examined the long-term impact of the 3Ts Home Visiting (3Ts-HV) intervention (Leung et al., 2020) on children's language skills at preschool age through promoting parental knowledge and language input during toddlerhood among families of low-SES.

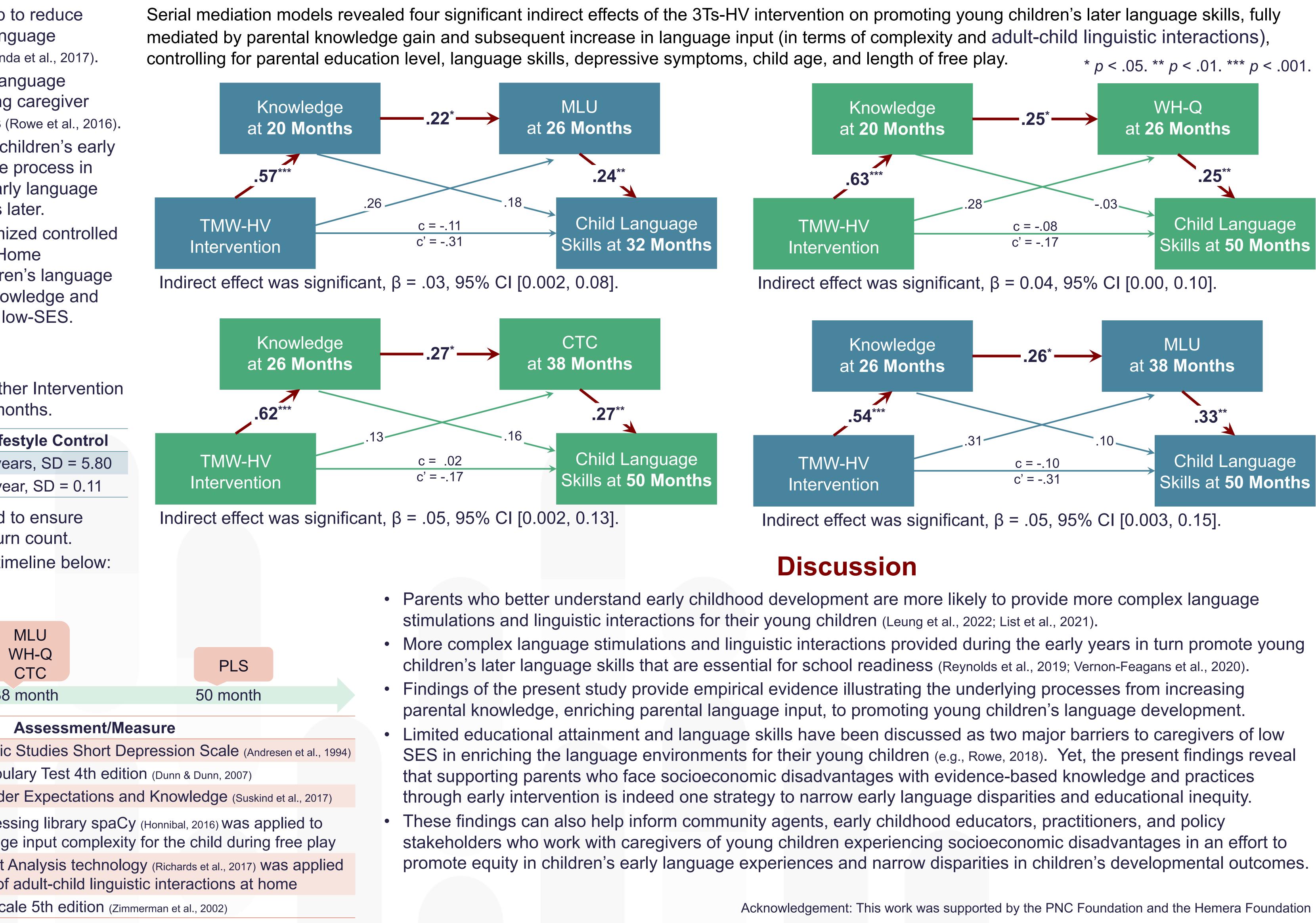
Methods

 Parent-child dyads of low-SES were randomized to either Intervention (n = 76) or Control (n = 73) curriculum from 14 to 20 months.

| Age | 3Ts-HV Intervention | Healthy Life | |
|--------|----------------------------|--------------|--|
| Parent | M = 29.21 years, SD = 6.18 | M = 28.29 ye | |
| Child | M = 1.18 year, SD = 0.11 | M = 1.19 ye | |

- A matched pairs randomization procedure was applied to ensure baseline equivalence on child age and conversation turn count.
- Curriculum and assessments were conducted as the timeline below:

| Intervention | | ention | SPEAK MLU | | | | |
|-----------------------|-----------------------------|---------------|--------------|-------------|--------------------------|----------|--|
| CESD PPVT SPEAK | | | | | | | |
| | | SPEAK | | VH-Q CTC | PLS | | |
| 14 mo | nth 🕇 | 20 month | 26 | month | 32 month | 38 | |
| Study Variable | | | | | | | |
| CESD | Depre | essive Sympt | toms | Cen | ter for Epidem | iologic | |
| PPVT | Parental Language Skills | | | s Peal | Peabody Picture Vocabu | | |
| SPEAK | Knowledge | | | Surv | Survey of Parent/Provide | | |
| MLU | Mean | Length of U | tteranc | e Natu | Natural language proces | | |
| WH-Q | Open-Ended Questions | | | asse | assess parental languag | | |
| | | | | Lang | guage ENviror | iment . | |
| CTC | Conv | ersational Tu | rn Cou | int to as | ssess the quar | ntity of | |
| PLS | Child | Language S | kills | Pres | school Langua | ge Sca | |
| | | | | | | | |



Results