

# Social Perceptions of Bilingualism and Early Language Development



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## **BACKGROUND**

- Home language environments influence oral language development in both monolingual and bilingual families. (Hart & Risley, 1992; Rowe, 2012; Hoff, et al., 2012; De Houwer, 2014)
- Hamers and Blanc (1982) proposed that for bilingual children, social perceptions of the value of each language would also mediate language acquisition, but this has not been tested empirically.
- We know that parent beliefs about literacy influence reading socialization at home and early language development. (DeBaryshe, 1995)
- For parents who use a non-English language at home, how do they perceive the value of bilingualism in society and for their children? And what is the relationship between beliefs, usage and children's vocabulary acquisition in two languages?

### **METHODS**

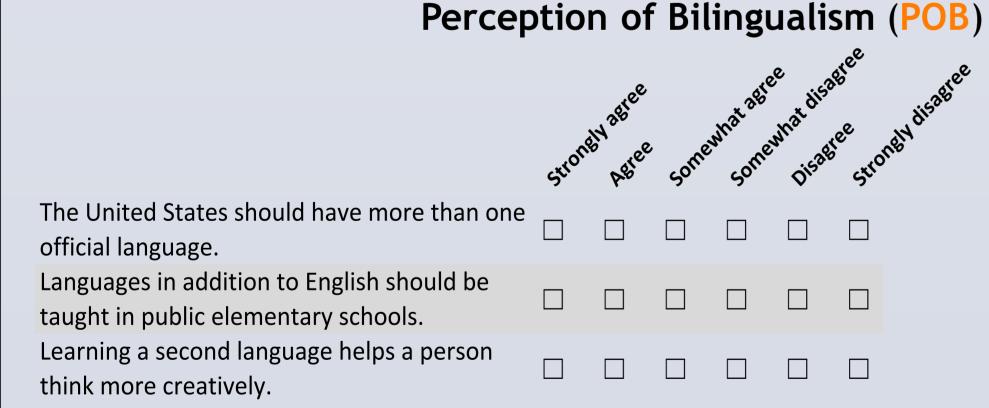
#### **PARTICIPANTS**

- 210 adults (19-79 yrs old, m= 42 yrs), representative of U.S. population in geographic region, education, and race
- Recruited through Qualtrics Panels
- Language Background:
  - 23% never learned an add'l language
  - 31% used to speak or tried to learn an add'l language
  - 46% spoke at least two languages
  - 17 Non-Eng. languages spoken, inc. Spanish (70%) & French (8%)
- 109 were parents of children under 18
- 48 were parents of toddlers exposed to English and Spanish

## **MEASURES**

- 20-minute online survey
- Demographic background, language usage, & home literacy activities in most used Non-English language (Luk & Bialystok, 2013; Velásquez, 2014)
- MacArthur-Bates Communicative Development Inventories (CDI) short form in English and Spanish (Fenson, et. al., 2000: Jackson-Maldonado, Marchman & Fernald, 2013)
- Perception of Bilingualism (POB) attitude scales (1=strongly disagree, 6=strongly agree)

# RQ 1: Can perceptions of the value of bilingualism be measured with an attitude scale?



 POB score is average of 12 items

Toddlers (n=48)

Mean age 24 mos (SD=5 mos)

• Half English, half Spanish

Ranged from all English

Majority Hispanic (79%)

Younger (M=32 yrs, SD=9)

• 46% female, 50% first-born

Language input at home:

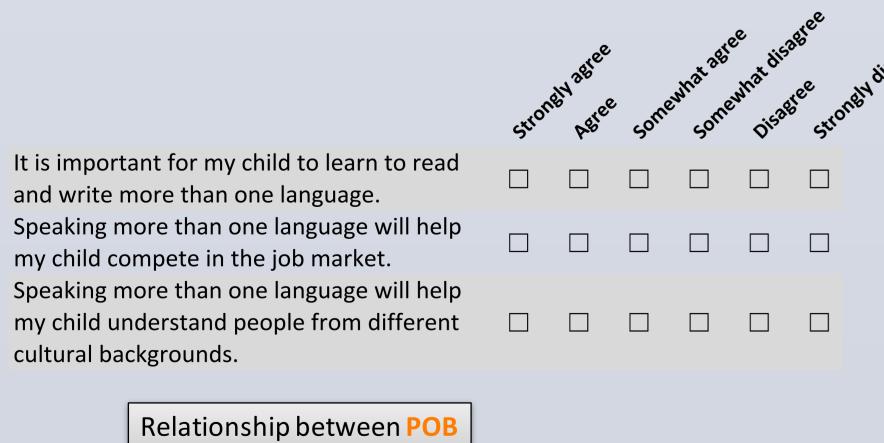
to mostly **Spanish** 

Parents similar to full

sample, except:

- POB scores ranged from
  1.4 to 5.9 (M=4, SD=.9)
- n = 210
- Cronbach's alpha = .88

#### Perception of Bilingualism Pertaining to Respondent's Child (POB+)



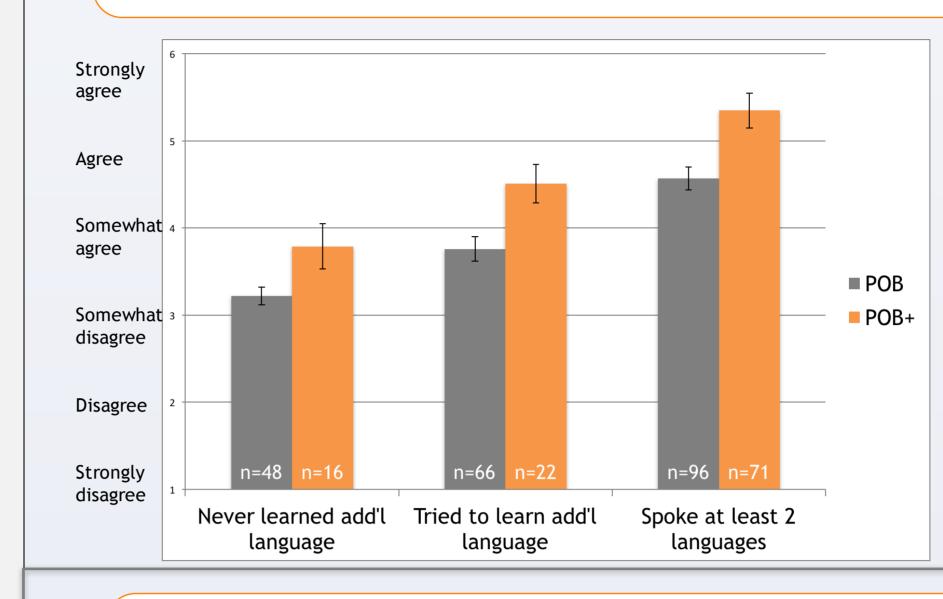
and POB+ scores (n=109)

- POB+ score is average of 7 items
- POB+ scores ranged from
  1 to 6 (M=4.9, SD=1)
- n = 109
- Cronbach's alpha = .89

### **RESULTS**

- Both scales had strong internal reliability.
- POB and POB+ were strongly positively correlated.
- This relationship was less strong among the 48 parents of toddlers exposed to Spanish & English.

# RQ 2: How do perceptions vary by language background?



# **RESULTS**

- Speaking more of an add'l language was associated with higher POB and POB+ scores.
- Contrasts between three groups were significant for both POB and POB+ (p<.05).</li>

# RQ 3: What is the relationship between language usage and language development?

Preliminary regression analysis (n=47)			
	English Vocabulary	Spanish Vocabulary	Total Conceptual Vocabulary
Child age (mos)	2.82*** (0.54)	1.27* (0.59)	3.57*** (0.95)
Parent Education (yrs)	4.24** (1.520)	4.39* (1.657)	7.52** (2.67)
Home Literacy Activities in Span.	2.084 (1.057)	2.46* (1.152)	3.86* (1.86)
Spanish Usage	-14.79*** (3.88)	-1.36 (4.23)	-16.98* (6.81)
Constant	-61.28* (30.03)	-79.75* (32.73)	-113.3* (52.72)
R <sup>2</sup>	0.59	0.28	0.46
F	14.84	4.07	8.77
Note: English and Spanish vocabulary are CDI raw scores; Total Conceptual			

Vocabulary is sum of raw scores minus translation equivalents

# <u>RESULTS</u>

- Expected positive effect of parent education and home literacy (controlling for age and Span. usage).
- POB and POB+ not sig.
  predictors of add'l
  variation in vocabulary,
  but potentially interact
  with Span. usage.

### **CONCLUSIONS**

- Both Perception of Bilingualism (POB) scales had strong internal reliability, suggesting that items may tap into two related constructs and reflect consistency across the items in the current survey.
- Adults who used more of a non-English language reported more positive perceptions of the value of bilingualism, both for society and for their children.
- Consistent with prior research, parent education and home literacy were key predictors of toddlers' vocabulary, but the influence of Spanish usage and perceptions of bilingualism warrants further examination.

### LIMITATIONS & FUTURE DIRECTIONS

- U.S. context; parallel versions will be developed for international comparisons
- Small sample; we will continue to collect online data
- Bias towards adults who seek out surveys online; data collection in school districts and lab-based studies will diversify our sample and provide more enriched sociolinguistic information for data interpretation

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