



## Background

A survey of current literature regarding environmental effects on speech and language development resulted in identification of the following potential factors: parent-child interaction (Fish & Pinkerman, 2003; Pancsofar & Vernon-Feagans, 2006; Hoff & Tian, 2005), parent knowledge about development (Rowe et al., 2015), home environment (Garret-Peters et al. 2015), socioeconomic status (Nicholson et al., 2012; Hoff, 2003; Hoff & Tian, 2005), parent education level (Abel et al., 2016; Pancsofar & Vernon-Feagans, 2006; Hoff & Tian, 2005), dialect (Reynolds & Fish, 2010), environment-brain interaction (Johnson et al., 2016; Noble et al., 2015; Monastersky, 2008), and the effects of speech and language development on overall development (Johnson et al., 2016). The U.S. Census Bureau identified the West Virginia poverty rate as 17.9% in 2017. Many of the above studies described the importance of SES, especially low SES, in interacting with the above factors. The current study sought to understand the perceptions and knowledge of the general public related to environmental factors impacting speech and language development, as well as to obtain descriptions of activities and circumstances helpful and harmful with regard to a child's speech and language development. The authors sought to compare responses based on a number of demographic factors, with special interest in location, and giving specific consideration to the nature of responses from WV and non-WV residents. The authors nondirectionally hypothesized a difference in these and other demographic groups.

## Methods

A 26-question survey, distributed via social media by the authors, through email to teachers in Fayette County, WV, and through email to teachers and staff at Kiwanis Daycare in Huntington, WV collected demographic data including gender, age group, state of residence, occupation, state where an individual maintained employment (if applicable), spousal occupation, teaching status, number of children, and educational background in child development. The survey also contained questions related to perception and knowledge about environmental factors in speech and language development mentioned above.

See attached handout for demographic information.

### Disclosures

No authors of this presentation have any financial relationship with this study.

# Public Perception and Knowledge of Environmental Factors Impacting Speech and Language Development

Questions 13-18 used the follo 1 – Not at all in 2 – Somewhat u 3 – Neut 4 – Somewhat i 5 – Very Imp		
How important do you feel is for a child's language development?	Mean Rating	Q
Q13 Parent child interaction	Mean= 4.99	er ch
Q14 Parent knowledge about language development	Mean= 4.54	st of Q sp
Q15 Home environment	Mean= 4.91	de ef
Q16 Socioeconomic status	Mean= 3.76	0\ Q
Q17 Parent education level	Mean= 3.84	ch la ha
Q18 Dialect	Mean= 3.77	th life

