# Non-autistic and autistic teenager's use of "um" varies in monologic versus dialogic discourse contexts

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# Background

- When speakers use "um," they may be pausing to plan an utterance, and/or intending to take a turn in the exchange.<sup>1,2</sup>
- Research has reported that autistic individuals use "um" less often than non-autistic (NonAu) individuals when they answer questions during diagnostic testing,<sup>3</sup> describe how to play a sport,<sup>4</sup> and describe pictures.<sup>5</sup>
  - general pragmatic challenges.
- However, a recent study reported no difference in "*um*" usage between NonAu and autistic children during dyadic conversation.<sup>6</sup>
- This suggests that differences in "*um*" use may not persist in all contexts.

## Methods

	Study 1: MONOLOGIC TASK			
•	<ul> <li>Participants were asked to develop a fictional story based on a story stem</li> <li>Participants were then asked to narrate the story for three-uninterrupted minutes to a panel of judges (i.e., Trier Social Stress Test, Kirschbaum et al., 1993)</li> <li>The panel of judges were prerecorded, unbeknownst to the participant.</li> <li>Thus, the panel of judges did not backchannel nor comment as the</li> </ul>			
	participant narrated their story.			

### Table 1. Participant demographic information

		Chrono Ag	
Monologic	Autistic Group (n = 20)	13.6	
Task	Non-Autistic Group (n = 20)	13.8	
Dialogic	Autistic Group (n = 12)	16.1	
Task	Non-Autistic Group (n = 16)	14.4	
<b>NOTE:</b> Groups did not differ statistically in chronological age. nor			

nount of talk as measured by number of word tokens, but they did differ in CELF-5 scores, with the autistic group who completed the dialogic task having the lowest CELF-5 scores among the four groups.



- <sup>6</sup> Boo et al. (2022). Conversation during a virtual reality task reveals new structural language profiles of children with ASD, ADHD, and comorbid symptoms of both. Journal of Autism and Developmental Disorders, 52, 2970–2983.

<sup>7</sup> Naigles, L.R. & Fein, D. (2017). Looking through their eyes: Tracking early language development in ASD. In L.R. Naigles (Ed.), *Innovative investigations of language in autism spectrum* disorder (pp. 49-64). Walter de Gruyer GmbH: American Psychological Association.



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