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Bilingualism in children with autism

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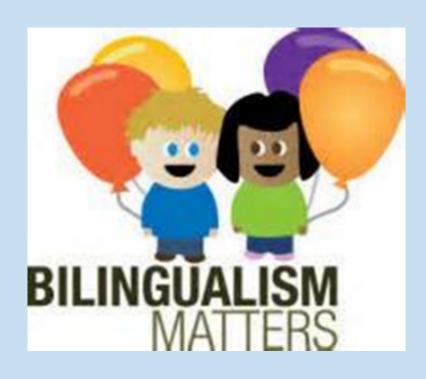
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Bilingualism in children with autism: detrimental or beneficial? Sarah Hampton, Hugh Rabagliati, Antonella Sorace & Sue Fletcher-Watson The University of Edinburgh

- Autism is associated with language and communication difficulties including delay in language onset in early childhood [1].
- The very limited body of existing literature suggests no harmful linguistic effects of bilingualism for children with autism [2].
- Despite this, parents can have concerns that bilingualism would amplify existing language delays [3].
- However, several areas have been identified as challenging for those with autism yet potentially enhanced amongst bilinguals, including skills such as theory of mind and executive functioning [4]. Bilingualism has also been associated with the facilitation of community integration, family coherence and well-being [5].
- Research into the implications of bilingualism for those with autism, however, is scarce, meaning families and practitioners have little information to assist them in their decision making.

Objectives

- To examine whether there is evidence for an (increased) language delay as a consequence of bilingualism for children with autism.
- To explore how bilingual parents in the UK decide on what language practices to adopt for their child with ASD.

Table 1: Means (SDs) for scores on the CSBS, MSEL and MCDI for each group

	CSBS	MSEL: Visual Reception	MSEL: Fine Motor	MCDI: Phrases	MCDI: Words Understood	MCDI: Words Produced	MCDI: Total Gesture
Bilingual	26.67 (5.89)	33.40 (19.23)	34.44 (19.87)	19.73 (9.18)	239 (128.57)	156.40 (141.92)	38.13 (15.14)
Monolingual		31.17 (19.32)	27.27 (14.10)	19.87 (7.37)	237.27 (123.56)	172.40 (156.23)	35.60 (11.19)

All comparisons non-significant, including all subscales

Method

In study one:

- Data from baseline assessments taken during a recent randomised controlled trial were re-analysed.
- We compared a sample of children (mean age = 4.2 years) with autism raised in bilingual households (n=15) with a monolingual group (n=15), matched on age, gender, ADOS scores and SES.
- Parent-reported language and communication skills (as measured by the CSBS, MSEL and MCDI) of the two groups were compared.

In study two:

- Semi-structured interviews concerning the experience of raising a child in a bilingual household were conducted with bilingual parents with a child with autism (n=17), and a group of bilingual parents with a typically developing child (n=18).
- Groups were matched on a number of variables including: age and gender of the child, as well as parent's ethnicity, length of time in the UK and educational level. Parents spoke a wide variety of languages.

