

Bilingualism in Autism: Evidence and Recommendations for Clinical Practice

Bilingualism does not negatively impact autistic people and may provide benefits for cognitive and socio-emotional development. It is an essential part of someone's identity.

Information flyer for families (PDF, freely available): <https://autism-bilingualism.github.io/resources/>

Definitions:

Autism is a lifelong neurodevelopmental condition, with prevalence estimated to be at least 1 in 100 people worldwide. There is debate regarding the language used when describing autism. Here we use identity-first language (e.g., "autistic person") as opposed to person-first language (e.g., "person with autism") to respect the preference of the majority of autistic people^{1,2}.

Bilingualism is the knowledge of more than one language, signed or spoken, regardless of the level of proficiency and the age at which a language is acquired. It is estimated that at least half the world's population is bilingual³.

Does bilingualism have negative effects for autistic people?

Recent research suggests that bilingualism does not cause delays across any cognitive domain and could provide opportunities to positively influence cognitive, cultural, and social development. The research available contradicts the widespread concerns that being exposed to several languages at home or school could cause additional delays for autistic children's cognitive and language development³, and that a monolingual environment would be better for autistic children⁴.

- **Autistic behaviours:** The research currently available has found that **bilingualism does not have a negative effect on any core diagnostic behaviours**⁵.
- **Language:** Autistic people can demonstrate a wide range of language abilities, ranging from highly fluent language use to minimally verbal⁶. It is well established in the literature that **bilingualism does not cause additional difficulties in language development** for autistic children⁷. While reports show that bilingual children can unintentionally mix languages or have smaller vocabularies early in childhood, this is also typical for most neurotypical bilingual children, and does not often last⁸.
- **Cognitive skills:** Research has consistently found that bilingualism **does not delay the development of cognitive skills** in autistic children, including general **executive skills**⁹ such as inhibition¹⁰ and switching skills¹¹, and aspects of **social cognition**¹². Evidence in both western and non-western populations suggests bilingualism could also advantage autistic children in one or more of these skills, possibly in a long-lasting way¹³.
- **Social skills:** Recent findings suggest that learning two languages from early childhood **can support autistic people's social and social-cognitive skills**, especially the ability to understand other people's mind and point of view (perspective-taking)¹³.
- **Daily life and autistic perspectives:** New research asked autistic young people and adults how they feel about being bilingual. Adults told researchers that bilingualism helps autistic people **connect with their identity and communities** (both autistic and non-autistic) worldwide¹³. Bilingualism can increase autistic people's **self-esteem**, help them to **better understand themselves**, and access leisure, education, and professional **opportunities**¹⁴. Autistic children and young people are also positive about bilingualism¹⁵. They see it as a tool for **authentic self-expression** and making new friends. Acknowledging dual cultural identities is important, and if children aren't able to **join in with their family**, there can **feel isolated**. Some young people see bilingualism as a "special code", **increasing closeness with their parents**¹⁵.

What we recommend:

Bilingualism is a valuable tool that enriches and facilitates cultural, social, and lived experiences for autistic people. It is crucial that autistic people are **provided with equal access to language learning** and are appropriately supported in doing so. Recommending parents to raise their autistic child monolingually should not be done lightly – the languages a child can and cannot understand will impact their future and the functioning of the whole family. As such, monolingualism should not be chosen, unless it is the best solution for family functioning. **Providing parents with a science-led evidence base** will enable them to make informed decisions with their child about their language environment.

Clinical support for autistic bilingual people:

The **role of practitioners is crucial** in bilingual families' decisions to maintain bilingualism in the home, and to speak their home language with their autistic child¹⁶. It is important for clinicians supporting the child to prioritise the home languages, which will facilitate the child's access to language and culture¹⁷. Practitioners have identified several current barriers to optimal support¹⁸:

- There can be uncertainties as to whether clinicians are providing the most adapted advice. There is a need for **up-to-date, evidence-based resources** to guide them when advising bilingual autistic children and their families.
- Practitioners also have concerns about the limited **resources and interventions available in other languages**, which could be challenging for parents less proficient or confident in communicating in English.
- There is a clear gap in **cultural diversity training**. More cultural awareness is needed to better cater for the child and family's needs and goals.
- Practitioners have **concerns about the use of interpreters**; the availability of an interpreter is often dependent on the type of language and its demand in the local area.

Being aware of these issues and limitations will help us work together, clinical practitioners and researchers, towards better support for autistic bilingual people.

Research with minimally verbal people:

There is **currently little to no data on the experiences of minimally verbal autistic people** and autistic people with learning difficulties. A priority for research is to develop specific assessments for children with complex needs to capture receptive language and cognitive abilities. Recent evidence shows that minimally verbal autistic children can understand multiple languages, and if they go on to produce more language, they can also do so in multiple languages.

Additional resources:

- Reference list: <https://osf.io/mx8fr/>
- Information flyer for families (PDF, freely available): <https://autism-bilingualism.github.io/resources/>
- Animated information for families and playlist of our available talks: https://www.youtube.com/watch?v=oPctNHggQJI&list=PLYvPU5SPaDJG4_Vm4Z5KEiFoHXzvcMk7S
- Video recording of a 90 min long webinar for clinicians: <https://patrickwildcentre.com/autism-bilingualismpractitioner-webinar/>
- Podcast: Much Language Such Talk, S1 E13, Bilingualism & Autism – Bérengère Digard & Sonny Hallett: <https://edin.ac/3Ma2JTV>

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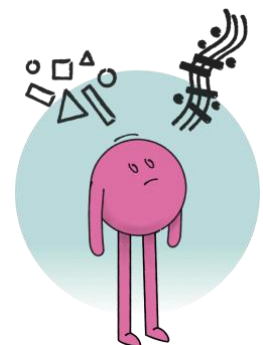
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Feedback & Evaluation:

Link: <https://edin.ac/3IC7YAt>

Or feel free to email us at autism@ed.ac.uk.



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