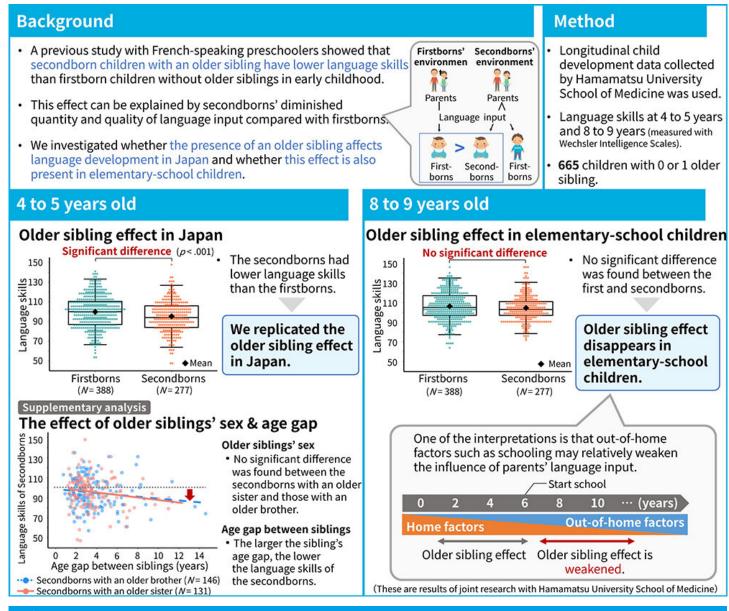
## Secondborns' lower verbal skills improve in school-age

## **Abstract**

A previous study with French-speaking preschoolers showed that secondborn children with an older sibling have lower language skills than firstborn children without older siblings in early childhood. This effect can be explained by secondborns' diminished quantity and quality of language input compared with firstborns. We investigated whether the presence of an older sibling affects language development in Japan and whether this effect is also present in elementary-school children. We found that secondborns had lower language skills than firstborns in Japan at 4 to 5 years of age. Importantly, at 8 to 9, no significant difference was found between the firstborns and secondborns. This is an important finding indicating the possibility that the influence of out-of-home factors, such as schooling, increases, and the influence of home factors, such as parents' language input, relatively decreases. We want to clarify the factors that affect language development and contribute to educational support tailored to individual needs.



## References

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