

A systematic framework for paediatric sentence selection

Adaptation of the Brazilian Portuguese Hearing In Noise Test (HINT-C)

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BACKGROUND

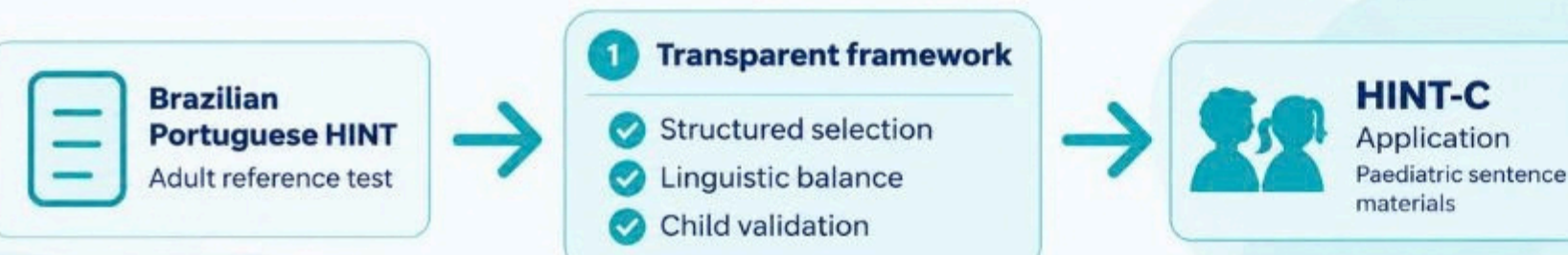
Adult sentence materials **cannot be directly assumed** to be suitable for children.



Published adaptations often provide **limited detail** on sentence selection, linguistic refinement, and list balancing.

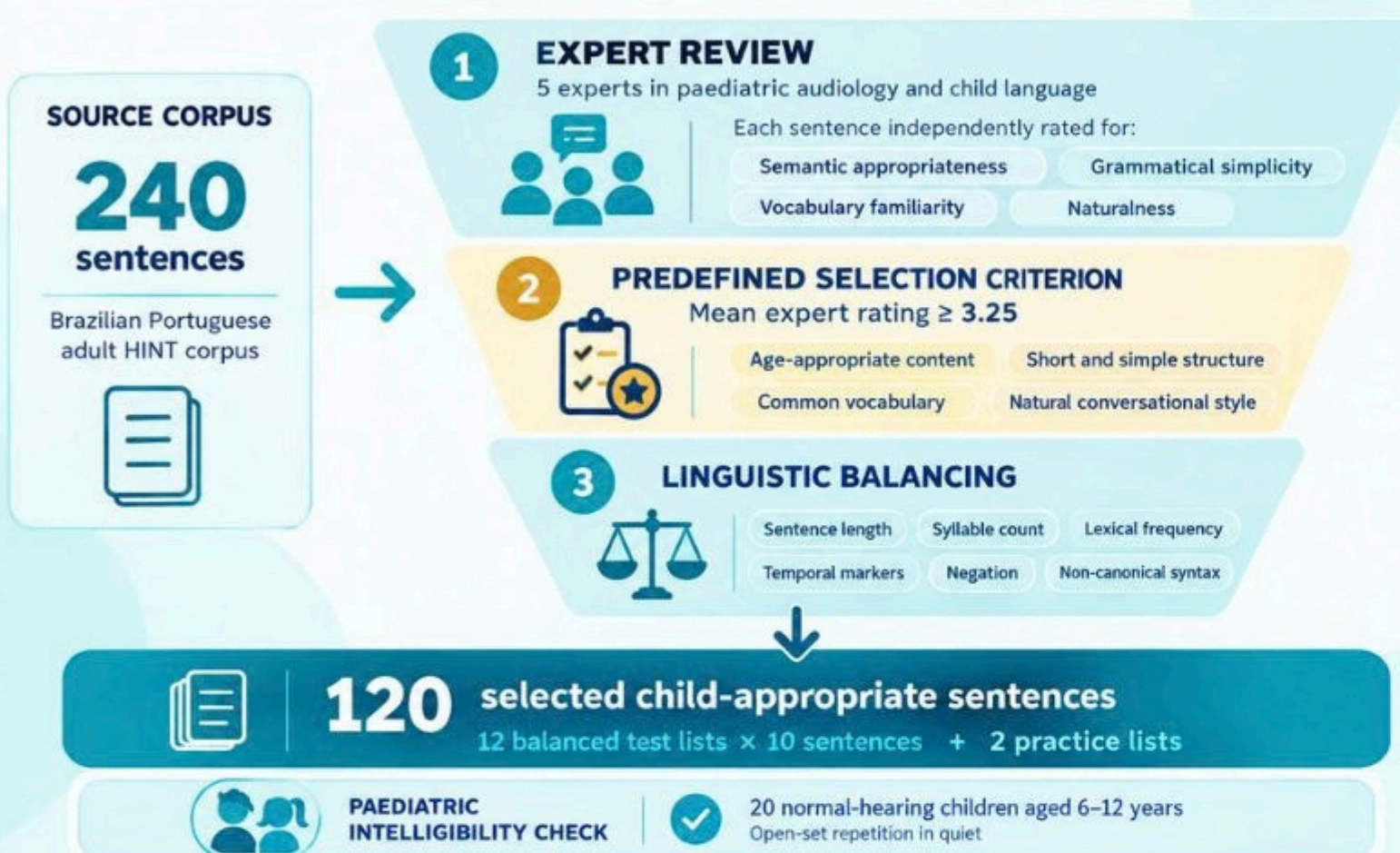
AIM

To present a **transparent framework** for deriving paediatric sentence materials from an existing adult speech-in-noise test.



METHODS

TRANSPARENT SELECTION AND LINGUISTIC BALANCING OF PAEDIATRIC SENTENCES



RESULTS

1 FINAL CORPUS
Child-appropriate material derived from the adult HINT corpus

120
selected sentences

- ✓ Age-appropriate content
- ✓ Balanced across linguistic criteria
- ✓ Suitable for paediatric testing

12 balanced test lists
10 sentences per list



2 practice lists
Familiarisation with the task

2 COMPREHENSIBILITY VALIDATION

Performance in normal-hearing children with the paediatric sentence materials



20
normal-hearing children
6–12 years • open-set repetition in quiet



Word recognition accuracy
99.56%
open-set repetition in quiet

CONCLUSION

Transparent and reproducible framework
for deriving paediatric sentence materials from an adult speech-in-noise test.

- ✓ EXPERT REVIEW
- + CLEAR CRITERIA
- ≡ CHILD VALIDATION



SUPPORTS FUTURE
CROSS-LINGUISTIC
ADAPTATIONS



REFERENCES

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INSTITUTIONAL & FUNDING SUPPORT

