



Universiteit
Leiden
The Netherlands

Being deaf at the playground: the effects of hearing loss on children's social participation

de Sousa Da Silva, B.M.

Citation

De Sousa Da Silva, B. M. (2025, February 12). *Being deaf at the playground: the effects of hearing loss on children's social participation*. Retrieved from <https://hdl.handle.net/1887/4180254>

Version: Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/4180254>

Note: To cite this publication please use the final published version (if applicable).

Being Deaf at the Playground

The effects of hearing loss on children's
social participation

Brenda Marina de Sousa da Silva

Being Deaf at the Playground

The effects of hearing loss on children's social participation

Proefschrift

ter verkrijging van
de graad van doctor aan de Universiteit Leiden,
op gezag van rector magnificus prof.dr.ir. H. Bijl,
volgens besluit van het college voor promoties
te verdedigen op woensdag 12 februari 2025
klokke 10.00 uur

door

Brenda Marina de Sousa da Silva

geboren te Benguela, Angola
in 1991

Promotores

Prof.dr. C. Rieffe

Prof.dr. ir. J.H.M. Frijns

Prof.dr. B. Güroglu

Dr. G. Veiga

Promotiecommissie:

Prof.dr. H.E. Hulst (Wetenschappelijk Directeur Instituut Psychologie/ voorzitter)

Prof.dr. M.E. Kret

Prf.dr. E. Mylanus (Radboud University Medical Center)

Dr. Y. Tsou

Dr. W. Soede

The research described in this thesis was supported by: *Fundação para a Ciência e Tecnologia* (FCT), Portugal (grant number SFRH/BD/144768/2019), and the IP national support through CHRC (UIDP/04923/2020).

Table of Contents

Chapter 1.	General Introduction	7
Chapter 2.	Play and emotions: The effects of physical play on children's social well-being	29
Chapter 3.	Being deaf in mainstream schools: The effect of hearing loss in children's playground behaviours	53
Chapter 4.	Empathy in preschool Portuguese children: Validation of the Empathy Questionnaire (EmQue)	77
Chapter 5.	Empathy and emotions in deaf or hard-of-hearing and hearing preschoolers	101
Chapter 6.	Do my reactions outweigh my actions? The relation between reactive and proactive aggression with peer acceptance in preschoolers.	131
Chapter 7.	Moral emotions in early childhood: Validation of the Moral Emotions Questionnaire (MEQ)	155
Chapter 8.	Associations of shame and guilt with externalising behaviour in deaf and hearing children	193
Chapter 9.	General Discussion	211
Chapter 10.	Lay Summary	235
	Appendices	
	Supplementary Materials Chapter 4	248
	Acknowledgments	249
	Curriculum Vitae	251
	List of Publications	252