

Psychosocial adjustment in hard of hearing preschool children

Nina Jakhelln Laugen Clinical psychologist



The Norwegian context



From clinical practice to research





Photo: Flickr/Samuel King Jr



Norwegian University of Science and Technology



Photo: Flickr/Catherine Cronin

Should we worry about hard of hearing children?

- Better auditory access
- Less risk of language delay
- Later diagnosis
- «social deafness»
- Identity?
- Psychosocial difficulties not related to degree of hearing loss

We asked:

Are HH preschool children at risk for psychosocial problems, compared to the general population?

- What is the role of:
 - Gender
 - Age at detection
 - Degree of hearing loss
 - Language





Photo: Flickr/Cesar Astudillo

Participants

- ▶ 16 boys,19 girls
- 4-5 years old
- Hearing aids
- Spoken Norwegian

Control group: 180 children, matched on age, gender and SES



Foto: Flickr/dukmaniquis



Data collection

- Strengths and Difficulties Questionnaire (SDQ) (Goodman et al, 2000)
- Peabody Picture Vocabulary Test (PPVT-III) (Dunn & Dunn, 1997)

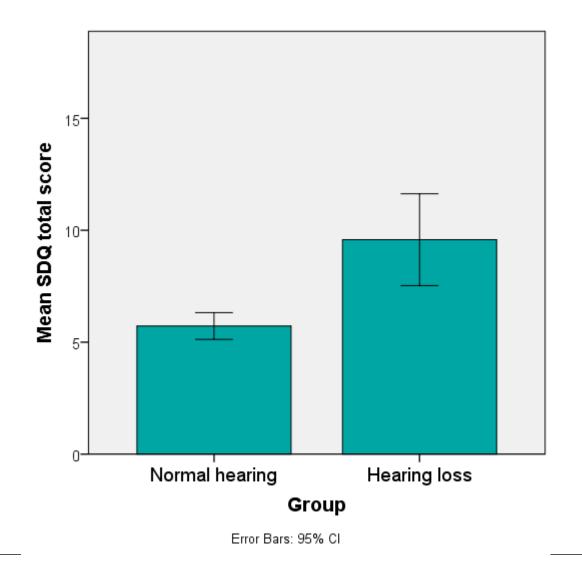
Sterke og svake sider (SDQ-Nor)

Vennligst kryss av for hvert utsagn: Stemmer ikke, Stemmer delvis eller Stemmer helt. Prøv å svare på alt selv om du ikke er helt sikker eller synes utsagnet virker rart. Svar på grunnlag av barnets oppførsel de siste 6 månedene eller dette skoleåret.

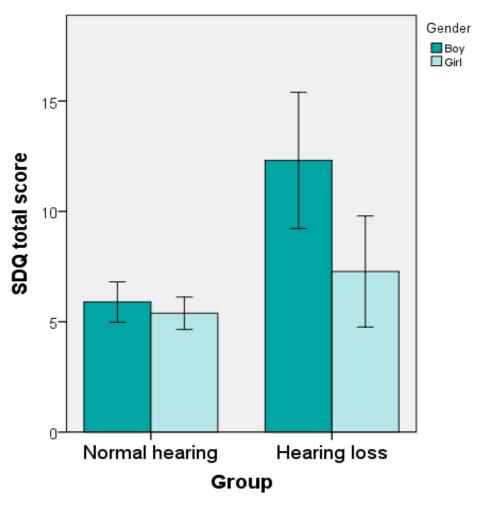
	Stemmer ikke	Stemmer	Stemmer helt
Omtenksom, tar hensyn til andre menneskers følelser	ikke	deivis	neit
Rastløs, overaktiv, kan ikke være lenge i ro			
Klager ofte over hodepine, vondt i magen eller kvalme			
Deler gjerne med andre barn (godter, leker, andre ting)		. \square	
Har ofte raserianfall eller dårlig humør			
Ganske ensom, leker ofte alene			
Som regel lydig, gjør vanligvis det voksne ber om			
Mange bekymringer, virker ofte bekymret			
Hjelpsom hvis noen er såret, lei seg eller føler seg dårlig			
Stadig urolig eller i bevegelse			
Har minst en god venn			
Slåss ofte med andre barn eller mobber dem			
Ofte lei seg, nedfor eller på gråten			
Vanligvis likt av andre barn			
Lett avledet, mister lett konsentrasjonen			
Nervøs eller klengete i nye situasjoner, lett utrygg			
Snill mot yngre barn			
Lyver eller jukser ofte			
Plaget eller mobbet av andre barn			
Tilbyr seg ofte å hjelpe andre (foreldre, lærere, andre barn)			
Tenker seg om før hun / han handler (gjør noe)			
Stieler hiemme nå skolen eller andre steder			



Hard of hearing children have more difficulties

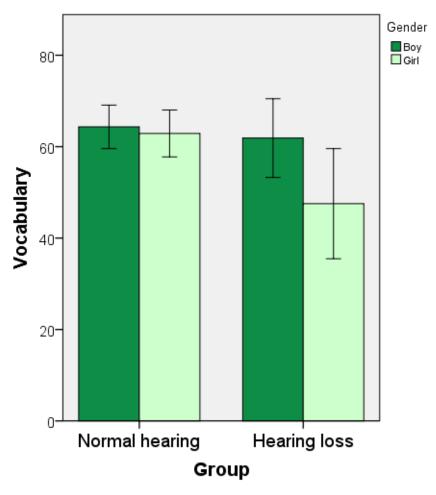


Girls are doing ok



Error Bars: 95% CI

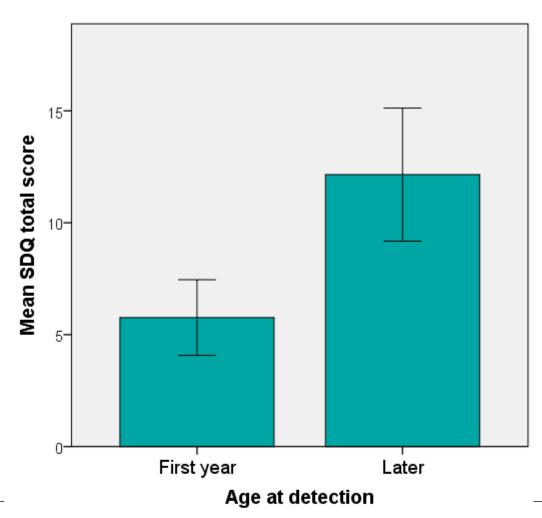
Vocabulary



Error Bars: 95% CI



Age at detection





Error Bars: 95% CI

11

Degree of hearing loss

- No significant relationship between degree of hearing loss and degree of psychosocial problems
- Children with mild hearing loss have the same risk of psychosocial difficulties as children with severe loss, even when age at detection is taken into account

Implications

- Hard of hearing children are at risk: all degrees
- Early detection protects against psychosocial difficulties, even for children with mild hearing loss
- Good language is not a guarantee for good mental health, even in preschool age
- Gender differences need more investigation

Journal of Deaf Studies and Deaf Education Advance Access published February 27, 2016



Journal of Deaf Studies and Deaf Education, 2016, 1-9

doi:10.1093/deafed/enw005 Empirical Manuscript

EMPIRICAL MANUSCRIPT

Predictors of Psychosocial Outcomes in Hard of Hearing Preschool Children

Nina J. Laugen*,1,2, Karl H. Jacobsen¹, Carolien Rieffe³,4, and Lars Wichstrøm¹

¹Norwegian University of Science and Technology, ²Statped, ³Leiden University, and ⁴Dutch Foundation for the Deaf and Hard of Hearing Child

*Correspondence should be sent to Nina J. Laugen, Department of Psychology, Norwegian University of Science and Technology, 7491 Trondheim, Norway (e-mail: nina.jakhelln.laugen@ntnu.no).

