





Quantitative and qualitative methods when studying health in people with Usher syndrome

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Usher syndrome

Clinical subgroups

Type1

Profund Deafness
Progressive visual loss
Congenital loss of vestibular function

Type 2

Congenital moderate to severe hearing loss Progressive vision loss

Typ 3

Congenital progressive hearing loss
Progressive vision loss
Progressive loss of vestibular function





Tonåren



20 – 30 år



30 - 40 år

Health problems in people with USHER syndrome type 2?



- How can we explore health?

- Differences compared to the Swedish population? (Wahlqvist et al 2013).

- What is the relation between work and

health in people with USH?



Quantitative Methods



Design: Quantitative explorative

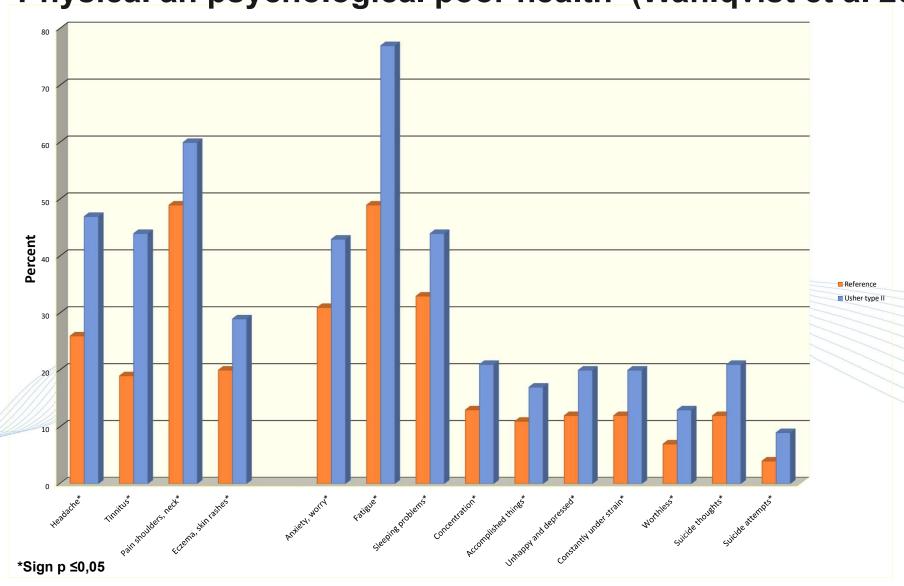
Participants: 96 persons, (>18 years) 34 working and 33 non-working (disability pension) aged 18-65 years.

Data collection:Register data, Public health questionaires.

Analysis: Non parametric Chi-2 testning, Multiple logistik regression analysis.

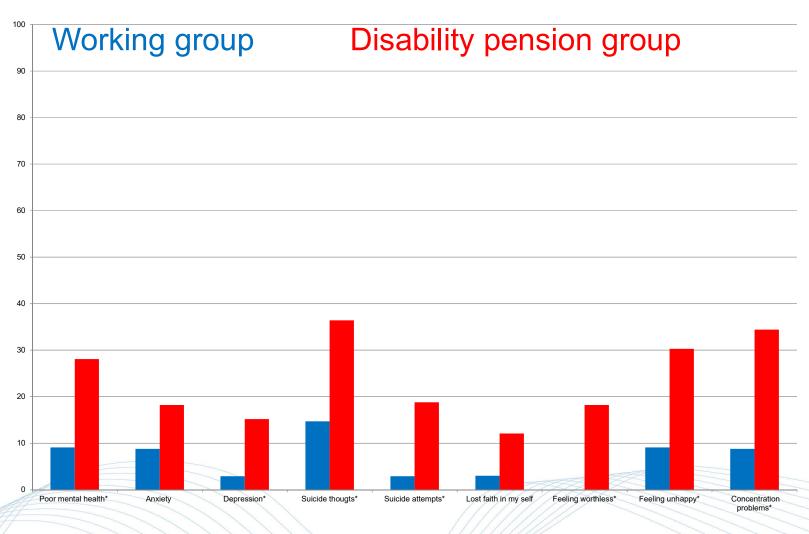


Physical an psychological poor health (Wahlqvist et al 2013)



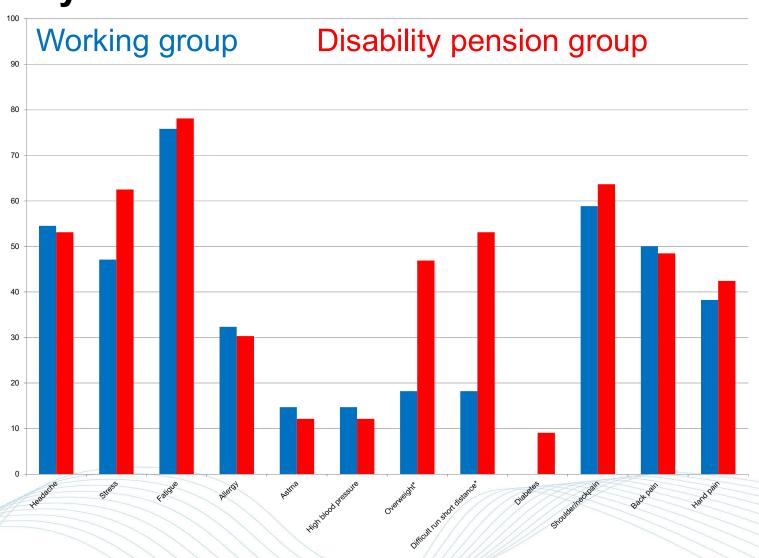
Psychological health USH 2





Fysical health USH2





Conclusion of quantitative studies



Statistically significan differences.

Physical and psychological health differences.

Work active correlates with better psychological healt. No statistical differences in physical health.

How can we understand the high levels of fatigue?

Further studies are needed!

Fatigue



Extreme tiredness that is not possible to recover after sleep or a few days of rest. extreme tiredness resulting from mental or physical exertion or illness.



Qualitative study



What are the lived experiences of working life in people with Usher syndrome type 2?





Design: qualitative explorative

Participants: 8 persons age 35-50 years (working 50-100%)

Data collection: individual semistructured interviews

Analysis: Interpretative phenomenological analysis



Themes



Feelings of satisfaction

A commitment that needs balancing

Facing limitations – exhaustion Fatigue!

Feelings of uncertainty,



Triangulation?



- Complementary
- Cross checking
- Enhancevalidity trustwotrhtines
- Complementary richer picture

- The use of multiple methods enable a boader and deaper picture of health in people with Usher syndrome.



Meikirch healthmodel (Bircher & Kuruvilla)





Conclusion in a Health model

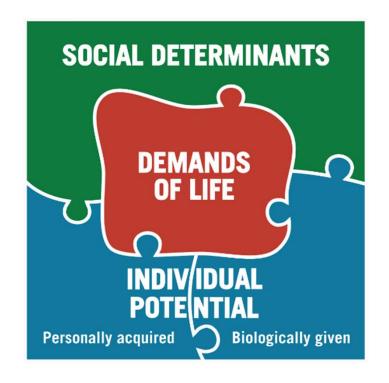


Biologically given potentials vision & hearing.

Personally acquired potentials, i.e. life strategies.

Demands of life – working life.

Social determinants – networks, education, hrehabilitation, labor market.





Litterature:

Wahlqvist, M., Möller, C., Möller, K., & Danermark, B. (2013). Physical and psychological health in persons with deafblindness that is due to Usher syndrome type II. *Journal of Visual Impairment & Blindness*, 107

(3), 207-220. https://doi.org/10.1177/0145482X1310700305

Ehn, M., Möller, K., Danermark, B., & Möller, C. (2016). The relationship between work and health in persons with Usher syndrome type 2. Journal of Visual Impairment & Blindness, 110(4), 233–244. https://doi.org/10.1177/0145482X1611000403

Ehn, M., Wahlqvist, M., Möller, C., & Anderzén-Carlsson, A. (2020). The lived experiences of work and health of people living with deaf-blindness due to Usher syndrome type 2. International Journal of Qualitative Studies on Health and Well-being, 15(1), 1846671.