



JYVÄSKYLÄN YLIOPISTO
UNIVERSITY OF JYVÄSKYLÄ

Väitöskirjan artikkelien kirjoitusprosessi

Niina Katajapuu

Jyväskylän yliopisto, Liikuntatieteellinen tiedekunta

Väitöskirja (ja sen artikkelit) on kuin täysmatkan triathlon



IRONMAN
EUROPEAN ★ TOUR

ANYTHING IS POSSIBLE™

- Täytyy tarpeeksi haluta tehdä se
- Täytyy olla hyvä pohja, jolle sen rakentaa.
- Pelkkä tahto ei riitä kokonaisuuteen. Ainoastaan viimeisiin puristuksiin



Väitöskirja (ja sen artikkelit) on kuin täysmatkan triathlon



- Molemmissa on useita etappeja, jotka täytyy ottaa haltuun MUTTA
- Jokaisessa ei ole pakko olla paras.
- Maaliin päästäkseen, jokaisesta lajista täytyy selvittää



Väitöskirja (ja sen artikkelit) on kuin täysmatkan triathlon

- Hyvä ohjaaja ja hyvä valmentaja ja hyvä treeniryhmä sekä kirjoittajaryhmä ovat välttämättömät

Niina Katajapuu^a, Katri Laimi^b, Ari Heinonen^a and Mikhail Saltychev^b



Psychometric properties of 12-item self-administered World Health Organization disability assessment schedule 2.0 (WHODAS 2.0) among general population and people with non-acute physical causes of disability - systematic review.

Saltychev M¹, Katajapuu N², Bärlund E³, Laimi K¹.



Väitöskirja (ja sen artikkelit) on kuin täysmatkan triathlon

- Triathlonissa kisajärjestäjä asettaa aikarajat
- Väikkärissä ja artikkelien aikataulutuksessa sinä teet aikarajauksen itse

Vuosi 2018



◀ | ▶ Heinäkuu 2018 ▾

Tänään Päivä | Viikko **Kuukausi** Lisää

Maanantai	Tiistai	Keskiviikko	Torstai	Perjantai	Lauantai	Sunnuntai	Yhteenveto
25 02:34:53 207%	26 40%	27 105%	28 00:05:53 00:04:35 ... 73%	29 51%	30 06:32:03 819%	1 16%	09:27:29 173.7 km 1 pv 17 h 15386 kcal 187%
2 34%	3 00:10:02 22%	4 01:02:27 182%	5 32%	6 00:38:31 00:59:38 131%	7 0%	8 06:09:29 535%	09:00:09 191.3 km 1 pv 2 h 12249 kcal 134%
9 32%	10 01:14:45 01:01:37 219%	11 01:00:40 239 kcal 106%	12 05:12:24 464%	13 00:20:54 89 kcal 67%	14 05:11:25 436%	15 32%	14:01:46 173.8 km 1 pv 16 h 15362 kcal 194%
16 0%	17 02:15:20 224%	18 00:28:38 130 kcal 00:33:33 146%	19 00:49:00 00:37:10 ... 193%	20 17%	21 01:04:15 173%	22 03:13:47 01:37:06 360%	11:13:21 132.8 km 1 pv 12 h 14391 kcal 159%
23 00:49:41 110%	24 02:14:46 164%	25 00:54:39 235 kcal 88%	26 00:04:58 17 kcal 00:57:03 169%	27 00:24:45 00:14:23 57 kcal ... 123%	28 00:29:56 67%	29 0%	06:37:44 91.4 km 1 pv 6 h 12739 kcal 103%
30 01:08:17 00:53:00 166%	31 01:08:01 101%	1 4%	2 01:04:57 00:58:11 207 kcal 202%	3 03:58:42 304%	4 00:52:34 00:14:48 103%	5 04:44:02 00:17:34 461%	15:20:10 262.5 km 1 pv 7 h 14932 kcal 192%



Vuosi 2019- 2020

<u>Viikko</u>	<u>Vaihe / osio / tavoite</u>	<u>Ma</u>	<u>Ti</u>	<u>Ke</u>	<u>To</u>	<u>Pe</u>	<u>La</u>	<u>Su</u>	<u>Tuntimäärä</u>
11	<u>3. artikkelin tulosten kirjoittaminen</u>	1,5	1,5		1,5	1,5			6
12	<u>3. artikkelin discussion kappaleen kirjoittaminen</u>	1,5	1,5		1,5	1		2	7,5
13	<u>3. artikkelin palautteen mukaan artikkelin korjaaminen</u>	1	1			1	2	2	7
14	<u>3. artikkelin lähdeluettelon muokkaaminen ja artikkelin viimeistely ja submittointi</u>		1		2	2		2	7
15	<u>väitöskirjan yhteenvedon osion aloittaminen ja sen aikataulus</u>	1	1		1	4		2	5
16	<u>4. artikkelin aineiston haku</u>	2	3		3	PÄÄ	SI	ÄI	7
17	<u>4. artikkelin intro</u>	NEN	2		2		2	2	8
18	<u>4. artikkelin tulokset</u>	2	VAP	PU	2	1			5
19	<u>4. artikkelin johtopäätökset</u>	2	2		2	2			8
20	<u>4. artikkelin palautteen mukaan editointi</u> <u>3. artikkelin korjaukset jos tulleet jo</u>		2		2	2	2	2	10
21	<u>4. artikkelin lähteet ja muu muokkaaminen</u>	2	2						4
22	<u>4. artikkelin lähteet ja muu muokkaus, viimeistely ja submittointi</u>	2	2		HELA TORST	2	2	2	10
23	<u>Väitöskirjan yhteenvedon menetöt kpl kirjoittamista</u>	1	1		2	2	2	2	10
24	<u>VK yhteenvedon kirjallisuushaun (artikkeli 1) uusinta ja sen skreenaus</u>	2	2		2	2	2		10
25	<u>VK yhteenvedon kirjallisuuskatsuksen kirjoittaminen</u>	2	2	2	2	JU	HAN	NUS	8



Neljä peer-review -artikkelia

- Valmis aineisto
- Kaikki tulokset käytössä marraskuun 2018 loppuun mennessä
- Kirjoitusprosessi alkaa
- Kolme artikkelia joissa ykköskirjoittajana, yhdessä kakkosena
- Viimeinen (neljäs) artikkeli submittointivaiheessa



Kirjoitusjärjestys

- Metodit
- Tulokset
- Intro
- Diskussio ja johtopäätökset
- Abstrakti



Metodit

- Helppo osuus koska tiedät:
- missä, kenen kanssa, miten ja mitä olet tehnyt

Floor and ceiling effects of the World Health Organization Disability Assessment Schedule 2.0 among patients with chronic musculoskeletal pain

Niina Katajapuu^a, Katri Laimi^b, Ari Heinonen^a and Mikhail Saltychev^b

International Journal of Rehabilitation Research

Volume 42(2) pgs. 97-192 June 2019

Patients and methods

This was a cross-sectional study of consecutive patients with chronic musculoskeletal pain who were seen in an outpatient physical and rehabilitation medicine clinic of university hospital between April 2014 and February 2017. The survey was sent to the patients and filled up before a physician appointment. The survey included the WHODAS 2.0 questionnaire and questions on demographics, pain intensity, perceived general health and working ability among others. A university hospital ethics committee approved the study.

The self-administered WHODAS 2.0 contains 12 items covering the most common limitations of functioning appearing in the general population. The questionnaire covers limitations during the last 30 days. A Likert-type scale is used to define the severity of limitation, with 0 denoting 'no limitation' and 4 denoting 'extreme limitation or inability to function'. For the calculations used in this study, the total score was the sum of all 12 responses divided by 48 and multiplied by 100 and presented as a percentage, where 100% represents the worst possible restriction.

Age was defined in full years at the time of visiting the clinic. Pain intensity was assessed using an 11-point NRS, 0 denoting 'no pain' and 10 denoting the 'worst possible pain'. Educational level was dichotomized into 'high school' versus 'no high school'. BMI was calculated as a body mass divided by a squared body height (kg/m²).

Statistical analysis

The basic characteristics were presented as means, SDs and percentage when appropriate. In case of a rough five-point Likert-type scale used in WHODAS 2.0 individual items, the ceiling and floor effects of WHODAS 2.0 were calculated numerically as a relative frequency of the lowest or the highest possible score achieved by the respondents (McHorney *et al.* 1994; Coster *et al.*, 2014; Carlozzi *et al.*, 2015). The cut-off for a significant floor or ceiling effect was set at more than 15%. Instead, the distribution of a continuous WHODAS 2.0 total score was analyzed graphically. To detect the non-normality of WHODAS 2.0 total score's distribution, the probit plotting method was used as described by Miller (1997). This method shows how the sample is differing from normality and presents irregularities in the tails rather than only in the middle of



Tulokset- ja vain tulokset

Gender-related differences in psychometric properties of WHO Disability Assessment Schedule 2.0

Niina Katajapuu^{a,c}, Katri Laimi^b, Ari Heinonen^a and Mikhail Saltychev^b

Results

Of 3150 patients visiting the clinic, 1988 (63%) participated the study. The patients were 47.6 (SD 15.0) years old and 1297 (65%) were women (Table 1). The average intensity of pain was 6.3 (SD 2.0) points. Most of the patients (n = 1746, 88%) had a main diagnosis 'M'–'Diseases of the musculoskeletal system and connective tissue' according to the International Classification of Diseases, 10th Edition. The most frequent single diagnoses were 'M54 Dorsalgia' (n = 781, 39%) and 'M79 Other soft tissue disorders' (n = 202, 10%).

The total scores of WHODAS 2.0 were 27.3 (SD 19.5) points for both men and women ($P = 0.843$). Probably due to a large sample size, the differences between men and women in BMI ($P < 0.001$), pain severity [$P = 0.005$, 95% confidence interval (CI) 0.38–0.01] and educational

Table 1 Demographic characteristics

Variable	Total	Men	Women	<i>P</i> value
N	1988 (100%)	691 (35%)	1297 (65%)	
Age (years)	47.6 (6.3)	47.6 (14.7)	47.5 (15.1)	0.927
BMI (kg/cm ²)	27.4 (5.7)	28.2 (5.1)	27.0 (6.0)	<0.001
Pain (points)	6.3 (2.0)	6.2 (2.0)	6.4 (1.9)	0.005
WHODAS (points)	27.3 (19.5)	27.2 (19.9)	27.4 (19.3)	0.843
Education				
No high school	1258 (67%)	515 (79%)	743 (61%)	<0.001
High school	609 (33%)	136 (21%)	473 (39%)	

Estimates are presented in means and SDs or absolute proportions and percentage.

WHODAS, WHO Disability Assessment Schedule.

Table 2 Discrimination ability of WHODAS 2.0 items

WHODAS 2.0 Item	Discrimination	95% confidence intervals	
		Lower	Upper
S1 Standing for long periods	1.45	1.32	1.58
S2 Household responsibilities	2.29	2.11	2.48
S3 Learning a new task	1.68	1.49	1.87
S4 Joining in community activities	2.7	2.47	2.94
S5 Emotionally affected by health problems	1.79	1.64	1.94
S6 Concentrating	1.92	1.74	2.1
S7 Walking a long distance	1.49	1.36	1.63
S8 Washing	1.72	1.56	1.88
S9 Dressing	1.34	1.21	1.47
S10 Dealing with strangers	2.05	1.82	2.29
S11 Maintaining a friendship	2.18	1.97	2.38
S12 Day-to-day work	1.82	1.67	1.97

The items are marked as S1–S12.

WHODAS, WHO Disability Assessment Schedule.

level ($P < 0.001$) were statistically significant even if the absolute estimates differed only a little.

High to perfect discrimination ability was observed for all the items except for item #9 'dressing' with moderate discrimination (Table 2). Difficulty levels of eight items—#3, #4, #6, #7, #8, #9, #10 and #11 (learning, joining in community, concentrating, walking, washing, dressing, dealing with strangers, maintaining friendships)—were shifted towards the elevated disability level compared to average disability level of the entire studied population. In other words, musculoskeletal patients with mild or none disability clustered around the lowest possible scores on these items. Other four items (standing, household responsibilities, being emotionally affected, work) demonstrated a perfect difficulty property (Table 3).

Significant DIF between genders was observed in seven out of 12 items: 'household responsibilities', 'being emotionally affected', 'concentrating for 10 minutes', 'washing', 'dressing', 'dealing with strangers' and 'work'. All the detected DIFs were uniform (Table 4 and Fig. 1). For items #2, #5 and #12 (household, emotional affection, work), men had to experience slightly worse disability than women to achieve the same score. A reverse effect was observed for items #6, #8, #9 and #10 (concentration, washing, dressing, dealing with strangers).



Intro

- Hakkasin päätäni seinään
- Vaikein osuus- Aloita jostain muusta!
- Tarvitseeko keksiä pyörää uudelleen?
- Artikkelihaut uudelleen ja uudelleen
- Intron rakenne
- Älä opeta :D



<http://www.phrasebank.manchester.ac.uk/>



The University of Manchester

Academic Phrasebank

Introducing Work

Referring to Sources

Describing Methods

Reporting Results

Discussing Findings

Writing Conclusions

Home Page

GENERAL LANGUAGE FUNCTIONS

Being Cautious
Being Critical
Classifying and Listing
Compare and Contrast
Defining Terms
Describing Trends
Describing Quantities
Explaining Causality
Giving Examples
Signalling Transition
Writing about the Past

The Academic Phrasebank is a general resource for academic writers. It aims to provide you with examples of some of the phraseological 'nuts and bolts' of writing organised according to the main sections of a research paper or dissertation (see the top menu). Other phrases are listed under the more general communicative functions of academic writing (see the menu on the left). The resource should be particularly useful for writers who need to report their research work. The phrases, and the headings under which they are listed, can be used simply to assist you in thinking about the content and organisation of your own writing, or the phrases can be incorporated into your writing where this is appropriate. In most cases, a certain amount of creativity and adaptation will be necessary when a phrase is used. The items in the Academic Phrasebank are mostly content neutral and generic in nature; in using them, therefore, you are not stealing other people's ideas and this does not constitute plagiarism. For some of the entries, specific content words have been included for illustrative purposes, and these should be substituted when the phrases are used. The resource was designed primarily for academic and scientific writers who are non-native speakers of English. However, native speaker writers may still find much of the material helpful. In fact, recent data suggest that the majority of users are native speakers of English. More about **Academic Phrasebank**.

This site was created by **John Morley**. If you could spare just two or three minutes of your time, I would be extremely grateful for any feedback on Academic Phrasebank: Please click [here](#) to access a very short questionnaire. Thank you.

ABOUT PHRASEBANK



Diskussio- johtopäätökset

- Tärkein
- Vaikein
- Tulokset uudelleen
- Tutkimuksen vahvuudet ja heikkoudet
- Yhtäläisyydet-erot aikaisempaan
- Kliiniset/käytännön johtopäätökset
- <http://www.phrasebank.manchester.ac.uk/>



Kehitystä havaittavissa ...:D

Artikkeli 1, 25 versiota

Floor and ceiling effects of the World He...	19.10.2019 19:03	Microsoft Word D...	215 KB
Katajapuu N, Laimi K, Heinsonen A and Sa...	16.5.2019 8:42	Microsoft Word D...	216 KB
NINA_WHODAS_CEILING_20_10_2018.do...	17.3.2019 17:40	Microsoft Word D...	356 KB
WHODAS 2.0 Floor and ceiling effect.docx	13.12.2018 16:31	Microsoft Word D...	215 KB
Cover letter.docx	11.12.2018 14:47	Microsoft Word D...	13 KB
Letter to editor.docx	11.12.2018 14:13	Microsoft Word D...	13 KB
NINA_WHODAS_CEILING_7_12_2018 MS ...	11.12.2018 13:36	Microsoft Word D...	215 KB
NINA_WHODAS_CEILING_24_11_2018 MS...	7.12.2018 13:03	Microsoft Word D...	215 KB
Validity of the 12.docx	2.12.2018 15:01	Microsoft Word D...	192 KB
Manuscript instructions Int Journal of reh...	27.11.2018 9:52	Microsoft Word D...	23 KB
NINA_WHODAS_CEILING_11112018 MS ...	26.11.2018 14:13	Microsoft Word D...	239 KB
NINA_WHODAS_CEILING_12112018 MS ...	26.11.2018 14:07	Microsoft Word D...	231 KB
NINA_WHODAS_CEILING_ENDNOTE_TES...	13.11.2018 11:56	Microsoft Word D...	215 KB
Kysymyksiä Katrille.docx	12.11.2018 14:17	Microsoft Word D...	12 KB
NINA_WHODAS_CEILING_ENDNOTE_TES...	9.11.2018 17:02	Text Document	17 KB
NINA_WHODAS_CEILING_08112018 MS.d...	9.11.2018 16:55	Microsoft Word D...	216 KB
NINA_WHODAS_CEILING_07112018.docx	7.11.2018 14:30	Microsoft Word D...	215 KB
NINA_WHODAS_CEILING_06112018 MS.d...	7.11.2018 9:42	Microsoft Word D...	216 KB
NINA_WHODAS_CEILING_05112018.docx	5.11.2018 13:01	Microsoft Word D...	222 KB
NINA_WHODAS_CEILING_31_10_2018.do...	31.10.2018 17:28	Microsoft Word D...	223 KB
NINA_WHODAS_CEILING_29_10_2018.do...	29.10.2018 12:51	Microsoft Word D...	224 KB
NINA_WHODAS_CEILING_25_10_2018.do...	29.10.2018 8:58	Microsoft Word D...	224 KB
NINA_WHODAS_CEILING_23_10_2018.do...	24.10.2018 17:40	Microsoft Word D...	212 KB
NINA_WHODAS_CEILING_22_10_2018 MS...	24.10.2018 17:37	Microsoft Word D...	212 KB
NINA_WHODAS_CEILING_22_10_2018.do...	23.10.2018 16:22	Microsoft Word D...	358 KB

Artikkeli 2, 13 versiota

WHODAS_IRT_DIF_GENDERS_15_5_NKdo...	17.6.2019 13:29	Microsoft Word D...	183 KB
WHODAS_IRT_DIF_GENDERS_21_11_2018...	17.6.2019 13:28	Microsoft Word D...	166 KB
240419 WHODAS_IRT_DIF_GENDERS_29_...	15.5.2019 6:51	Microsoft Word D...	204 KB
WHODAS_IRT_DIF_GENDERS_30_04_2019...	9.5.2019 11:03	Microsoft Word D...	204 KB
WHODAS_IRT_DIF_GENDERS_24_04_2019...	26.4.2019 22:48	Microsoft Word D...	203 KB
WHODAS_IRT_DIF_GENDERS_17_04_2019...	25.4.2019 18:12	Microsoft Word D...	180 KB
WHODAS_IRT_DIF_GENDERS_24_04_2019...	25.4.2019 17:58	Microsoft Word D...	180 KB
WHODAS_IRT_DIF_GENDERS_17_04_2019...	24.4.2019 8:11	Microsoft Word D...	181 KB
WHODAS_IRT_DIF_GENDERS_15_03_2018...	25.3.2019 15:18	Microsoft Word D...	178 KB
WHODAS_IRT_DIF_GENDERS_12_03_2018...	15.3.2019 17:34	Microsoft Word D...	169 KB
WHODAS_IRT_DIF_GENDERS_11_03_2018...	12.3.2019 16:23	Microsoft Word D...	168 KB
WHODAS_IRT_DIF_GENDERS_14_11_2018...	13.12.2018 16:31	Microsoft Word D...	162 KB
WHODAS_IRT_DIF_24_10_2018.docx	14.11.2018 15:21	Microsoft Word D...	121 KB

Artikkeli 3, 7 versiota

Name	Date modified	Type	Size
Introduction MCID and MDC in 12 item ...	11.6.2019 16:20	Microsoft Word D...	15 KB
WHODAS_MCID_07_10_2019.docx	16.10.2019 23:41	Microsoft Word D...	63 KB
WHODAS_MCID_16_10_2019.docx	16.10.2019 23:42	Microsoft Word D...	63 KB
WHODAS_MCID_19_10_2019.docx	21.10.2019 15:11	Microsoft Word D...	65 KB
WHODAS_MCID_21_10_2019 MS_NKdocx...	21.10.2019 16:25	Microsoft Word D...	75 KB
WHODAS_MCID_27_11_2018.docx	7.10.2019 8:12	Microsoft Word D...	54 KB
WHODAS_MDC_21_10_2019.docx	21.10.2019 10:21	Microsoft Word D...	64 KB



Lehden valinta

- Ohjaaja auttaa
- Muokkaa käsikirjoitus lehden vaatimaan muotoon
- Ole huolellinen. Tee juuri niin kuin lehti vaatii



Saatekirje

Dear Professor Črt Marinček

Please, find attached our manuscript entitled "Floor and ceiling effects of the WHODAS 2.0 (WHODAS 2.0) amongst 2,000 patients with chronic musculoskeletal pain"

To get more information of 12 –item WHODAS validity, we calculated floor and ceiling effects of WHODAS 2.0 total score and all 12 items separately. We found substantial floor effect in WHODAS 2.0 amongst patients with chronic musculoskeletal pain.

We hope that you will find our manuscript to be interesting to the readers of International Journal of Rehabilitation Research

The manuscript is submitted solely to International Journal of rehabilitation research and will not be published anywhere else.

On behalf of all the authors

Niina Katajapuu



Hyväksyntä ja reviewerin kommentit

- Palaute
- Korjaa kohta kohdalta julkaisijan ohjeen mukaisesti
- Ole kohtelias!
- Reviewer saattaa olla joku, kenen artikkeliin olet itse viitannut (tai unohtanut viitata!)



Cover letter for revised manuscript ID IJRR-D-18-00380.R1

Professor CRT MARINCEK

Editor – in- chief

International Journal of Rehabilitation Research

Dear Professor Crt Marincek

Thank you for considering our manuscript for publication. We greatly appreciate your and the reviewers' comments. Please, find attached our revised manuscript ID IJRR-D-18-00380.R1 along with detailed point-by-point responses to the comments.

On behalf of all the authors

Niina Katajapuu

Responses to the comments made by the reviewer #1

Comment 1

Leave out "2,000" from the title

Response to comment #1

Number 2000 is left out from the title. New title:

Floor and ceiling effects of the World Health Organization Disability Assessment Schedule 2.0 (WHODAS 2.0) amongst patients with chronic musculoskeletal pain



Aina ei mene kuin strömsössä

- Pilkut ja pisteet puuttuu edelleen...
- Välitit itse proffalle artikkelin, jonka unohdit lisätä diskussioon...
- Tuloksissa on jotain hämmentävää- proffa ehdottaa että ”Älä nyt järkyty mutta ei tehdäkään tätä juttua, tehdään yksi toinen... jne”



Pro-aktiivisuus

- Ohjaaja auttaa kyllä
- Tietää enemmän kuin sinä (Toivottavasti)
- Mutta jos arvelet että olet oppinut jotain joka poikkeaa ohjaajien näkemyksistä, tuo se esille



Väikkäri ja sen artikkelit on opinnäytetyö!

Tee se valmiiksi.

Seuraava triathlonin täysmatka vuonna 2021

