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ORIGINAL ARTICLE

Measuring the determinants of implementation behavior in multiprofessional rehabilitation

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ABSTRACT

BACKGROUND: The Determinants of Implementation Behavior Questionnaire (DIBQ) measures facilitators or barriers of healthcare professionals' implementation behaviors based on the current implementation research on practice and policy. The DIBQ covers 18 domains of the Theoretical Domains Framework and consists of 93 items. A previously tailored version (DIBQ-t) covering 10 domains and 28 items focuses on implementing best-practice low back pain care.

AIM: To tailor a shortened version of DIBQ to multiprofessional rehabilitation context with cross-cultural adaptation to Finnish language.

DESIGN: A two-round Delphi study.

SETTING: National-level online survey.

POPULATION: Purposively recruited experts in multiprofessional rehabilitation (N.=25).

METHODS: Cross-cultural translation of DIBQ to Finnish was followed by a two-round Delphi survey involving diverse experts in rehabilitation (physicians, physiotherapists, occupational therapists, psychologists, nursing scientists, social scientists). In total, 25 experts in Round 1, and 21 in Round 2 evaluated the importance of DIBQ items in changing professionals' implementation behavior by rating on a 5-point Likert Scale (1 = Strongly Disagree, 5 = Strongly Agree) of including each item in the final scale. Consensus to include an item was defined as a mean score of ≥ 4 by $\geq 75\%$ of Delphi participants. Open comments were analyzed using inductive content analysis. Items with agreement of $\leq 74\%$ were either directly excluded or reconsidered and modified depending on qualitative judgements, amended with experts' suggestions. After completing an analogous second-round, a comparison with DIBQ-t was performed. Lastly, the relevance of each item was indexed using content validity index on item-level (I-CVI) and scale-level (S-CVI/Ave).

RESULTS: After Round 1, 17 items were included and 48 excluded by consensus whereas 28 items were reconsidered, and 20 items added for Round 2. The open comments were categorized as: 1) "modifying"; 2) "supportive"; and 3) "critical". After Round 2, consensus was reached regarding all items, to include 21 items. After comparison with DIBQ-t, the final multiprofessional DIBQ (DIBQ-mp) covers 11 TDF domains and 21 items with I-CVIs of \geq 0.78 and S-CVI/Ave of 0.93.

CONCLUSIONS: A Delphi study condensed a DIBQ-mp with excellent content validity for multiprofessional rehabilitation context.

CLINICAL REHABILITATION IMPACT: A potential tool for evaluating determinants in implementing evidence-based multiprofessional rehabilitation interventions.

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KEY WORDS: Rehabilitation; Implementation science; Delphi Technique; Surveys and questionnaires.

In many fields of social and health care and rehabilitation, Lathere is a gap between what has been proven to be effective and what is practiced.¹⁻⁴ Narrowing this gap through the successful implementation of evidence-based practices depends on changing the behavior of the professionals.^{3, 5} Implementation research aims to generate knowledge of strategies helping to translate research evidence to clinical practice, and to understand key factors associated with changing professionals' implementation behavior.^{3, 6-10} This can be complicated, especially in the multiprofessional rehabilitation context due to heterogeneous professional roles and complex interventions. 11, 12 Multiprofessional rehabilitation involves collaborative teams or work communities consisting of professionals from different social and health care disciplines working together to deliver services.13

The Theoretical Domains Framework (TDF) was initially developed for implementation research to identify factors influencing professionals' behavior regarding implementation of evidence-based practice recommendations. The TDF is an integrative framework synthetizing 33 theories of behavior and behavior change, originally sorted into 14 domains, with 4 additional domains later added.14, 15 According to the TDF, barriers and facilitators of implementation may relate to the innovation itself (e.g. innovation characteristics), the social setting (e.g. norms, support), the individual professionals (e.g. skills, self-efficacy), health care organizations (e.g. resources and support), innovation strategies (e.g. training), the patients or participants in treatment and rehabilitation (e.g. attitudes) - or health care system and society per se.3, 7, 16-21

The Determinants of Implementation Behavior Questionnaire (DIBQ) has been developed based on TDF. 14, 15, 22 It quantifies the role of TDF domains in the implementation process, so that the factors influencing implementation behavior can be identified. 23 The DIBQ was initially developed for evaluating potential determinants of health care professionals' implementation behavior 24 and it was first tested with physiotherapists in physical activity interventions. 22 The original DIBQ is extensive, including 93 items assessing 18 domains, 22 but it was successfully shortened and tailored to different research questions, contexts and intervention types. 25

The success of strategies for implementing evidencebased procedures into health care is often overlooked, and only patient-reported outcomes or economic impacts are often examined. Clinical guideline recommendations alone do not seem to be sufficient to change treatment practices.²⁶ Moreover, it has been shown that dissemination of guidelines is not enough to change behavior, and thus, more active implementation strategies are needed.²⁶ Therefore, it is important to have feasible and valid instruments for assessing facilitators and barriers of professionals' behavior regarding implementation of theory-based interventions. In science as well as in practice and policy, there is a growing need for robust, transparent and systematic as well as rapid and pragmatic methods for supporting implementation processes. In the multiprofessional rehabilitation context, a user-friendly and context adapted tool is required for monitoring and scaling the factors influencing implementation and for enhancing the use of evidence in daily routines that are often characterized by busyness and limited resources.

The current study aimed to tailor a shortened version of DIBQ to multiprofessional rehabilitation context and cross-culturally adapt a Finnish language version.

Materials and methods

The study design is described in Figure 1. Mixed methods were used. The original DIBQ in English language was first translated and cross-culturally adapted to Finnish (phase 1); and then tailored by means of a two-round Delphi process among a purposively recruited nationallevel group of experts, giving both quantitative ratings allowing content validity assessments as well as qualitative written judgements regarding DIBQ items to be included into a shortened multiprofessional rehabilitation context version of the DIBQ (DIBQ-mp) (phase 2). Support for adaptation and validation of the DIBQ to multiprofessional context was given by the original developer of the questionnaire through an e-mail communication.²² This study did not include patients, but non-identifiable health care professionals who participated as volunteers.

Translation of the English version and cross-cultural adaptation to Finnish (phase 1)

The aims of the cross-cultural translation process were to translate all items of the English version and cross-culturally adapt them to Finnish language. A forward-backward translation was completed using the 4-stage process outlined by Beaton²⁷ based upon the English version of the questionnaire.^{22, 28} Cross-cultural adaptation is defined as "a process which looks at both language (translation) and cultural adaptation issues in the process of preparing a questionnaire for use in another setting"²⁷.

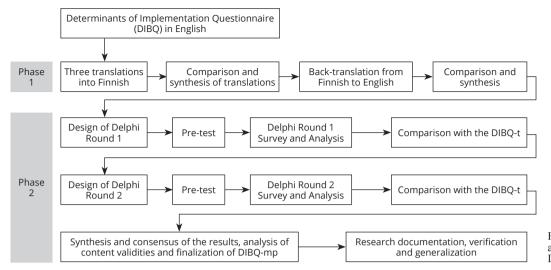


Figure 1.—Cross-cultural adaptation (phase 1) and Delphi procedure (phase 2).

Delphi procedure (phase 2)

The aim of phase 2 was to reduce the number of items and tailor DIBQ to multiprofessional rehabilitation context. The Delphi method was utilized to collect the judgments of experts in a group decision making setting to gain understanding of the items and for identification of critical factors to obtain a shorter version of the DIBQ. The research questions in the Delphi process were "which factors are the most critical in multiprofessional rehabilitation implementation, implying the question, which DIBQ domains and items thus cannot be left out of the shorter version of the questionnaire?". The study was conducted following the principles of classical Delphi.²⁹⁻³¹ Both qualitative and quantitative methods were used in the Delphi process. The Delphi process consisted of two iterative rounds of ratings using an online survey and pre-tests before and comparison to DIBQ-t after each round.

Prior to the Delphi rounds, pre-tests were conducted with the goal of testing and adjusting the Delphi question-naire to improve comprehension, and to work out procedural problems. The survey was revised as the result of the pre-tests. To ensure sufficient contribution and take account of the typically high drop-out rate in Delphi-studies, the purpose of this study was to recruit 30 participants, 32 which would allow the diversity in views while accounting for expected attrition rate. 32

A purposive sampling strategy was used to recruit a panel of experts from the authors' networks covering all health care districts, private and public sector and research and education networks in Finland. The following eligibility criteria and requirements for expertise for Delphi

participants were used: 1) knowledge and experience with multiprofessional rehabilitation and/or evidence-based health care research implementation in the Finnish health care system; 2) capacity and willingness to participate; 3) sufficient time to participate in the Delphi-process.³³ Research team identified an initial group of experts with a good geographical coverage and multiprofessional diversity (including specialists in rehabilitation medicine, occupational health care, general medicine, psychology, physiotherapy, nursing sciences, occupational therapy and social sciences), and the "snowball" sampling technique was used to generate subsequent participants.34 The Delphi study was conducted online, using Webropol, over a three-month period to provide sufficient time to gather data and aggregate group responses. Data collection took place in the period of April to June 2021.

Design of Delphi Round 1

The initial instruction of the Delphi questionnaire to Round 1 was: Please evaluate the importance of each item as a facilitator of or a barrier to changing professionals' implementation behavior. The survey was comprised of 5-point Likert scale questions with comments and free-text sections. The purpose of the first round was to: 1) rate the content and structure of each DIBQ item; 2) recommend items to be included or excluded from the multiprofessional DIBQ (DIBQ-mp); and 3) to comment on the comprehensibility, suitability and usability of the questionnaire. The descriptive comments were obtained within each domain:" Are the items understandable and clear? If no, please comment briefly". The DIBQ items as well as

new items suggested in the comments were then reconsidered and/or modified based on the ratings and remarks of the participants. Participants' age, gender, education, educational level, primary role, years of experience, and field of expertise were inquired to evaluate overall representativity/feasibility to be included in the Delphi process, but not further used in item-level considerations.

Design of Delphi Round 2

Delphi Round 2 was designed to 1) determine agreement on items revised based on results of Round 1; and 2) determine preliminary agreement of the new items generated in Round 1; 3) elicit further comments and feedback using a 5-point Likert scale and free text to state the reasoning for their rating or provide additional comments. Participants received the summary of Round 1 results and were free to review and reflect on these results as they submitted their responses and feedback in Round 2. Participants were also asked again to comment the comprehensibility of the items.

Data analysis

Descriptive statistics (ranges, means of ratings with standard deviations and percentages of agreements) for each item were calculated for Round 1 and Round 2 results. Participants rated and commented on the importance of each DIBQ item as a facilitator of or a barrier to changing professionals' implementation behavior. Consensus to include items was defined as a mean score of ≥4 on a Likert Scale (1=Strongly Disagree, 2=Disagree, 3=Neither Agree nor Disagree, 4=Agree, 5=Strongly Agree) by at least 75% of Delphi participants. Delphi questions with a group level of agreement of 75% or higher were included and 74% or lower were either excluded or reviewed depending on qualitative judgements. A second-round survey followed the same process as the first round.

Experts were asked to rate the relevance of each item on a 5-point scale (1 = not relevant, 2 = somewhat relevant, 3 = not relevant nor relevant, 4 = quite relevant, 5 = highly relevant). The relevance of each item scored by experts was indexed using content validity index (CVI). The rating of 3 on the scale was not included in the calculation of an item-level CVI. For each item, the I-CVI was computed as the number of experts giving a rating of either 4 or 5, divided by the number of experts. An item was considered 'relevant' when scoring an item-level CVI (I-CVI) of 0.78 or more.³⁵

The qualitative data from survey comments within items, domains and the free-text sections were analyzed by

using inductive content analysis to classify the comments in favor of exclusion, inclusion or modification before potential inclusion to the shortened version.^{36, 37} Initially the participants' statements were read and re-read by the first author to gain familiarity. Subsequently, meaningful units of analysis (core sentences and words) were selected. Each meaningful unit was condensed and labelled with a code using qualitative data analysis program MAXQDA 2020 Analytics Pro. The codes were sorted and grouped into subcategories and categories in discussion among the authors. Analysis of the comments was also used to guide the modifications and considerations of the importance and suitability of the items for the multiprofessional rehabilitation context. An item could be included even it was quantitatively rated below threshold if qualitative assessment captured important issues in relation to the targeted context.38

Comparison with DIBQ-t

Finally, the results of the Delphi-procedure were compared with DIBQ-t tailored versions in Danish and Swedish before synthesis of the results.²⁵ A comparison to previously tailored versions was done for benchmarking and comparison of the items chosen, reflecting on differences between the two versions, identifying the items that overlap in content and reflecting experiences of the use of the DIBQ-t.

Data availability

The data associated with the paper are not publicly available but are available from the corresponding author on reasonable request.

Results

Translation of the DIBQ in English and cross-cultural adaptation to Finnish (phase 1)

The forward and backward translation (steps 1-4) were performed successfully. Since the multiprofessional rehabilitation context was considered, the 'profession' in the original DIBQ was modified to relate to 'social and health care professional'. 'Action' was modified to relate to 'intervention/procedure'. 'Context' was modified to relate to 'rehabilitation'. 'Target' was modified from 'patient' to 'patient, client, participant or rehabilitee' depending on the social and health care setting.

Taxonomy in Finnish language for implementation is in its early development and there are no scientific publications on translation of TDF to Finnish language. Another challenge in the translation was that in Finnish language the variations of multiple meanings for words often differ from the corresponding variations in English. For example, the word 'worthwhile' can refer to health-economical perspective, financial profit for professional or workplace, or more abstract personal relevance or meaningfulness from client perspective, *i.e.* is it worthwhile to the client to participate on rehabilitation with regards to costs and outcomes. The results from the expert panel review and the inductive content analysis were used to answer the questions about content validity and cross-cultural adaptation to a Finnish social and healthcare setting. The Finnish translation of DIBQ and the TDF domain titles is presented in (Supplementary Digital Material 1: Supplementary Table I).

Delphi procedure to identify factors of importance in multiprofessional rehabilitation program implementation (phase 2)

Of the invited 111 persons, 25 experts (23%) participated in the Round 1 survey. Of the participants, half were women (52%), a third were aged from 51 to 60 years (32%), and two thirds had a doctoral level education (64%). Most often, the participants had 11 to 15 years of experience in clinical work (40%) and 16 to 20 years in academic work (32%, Figure 2). All experts used both spoken and written English regularly. Many reported having several professions or professional roles. Professions represented included physicians (specialized in rehabilitation medicine, occupational medicine and general practice), physiotherapists (specialized in orthopedic manual therapy, musculoskeletal physiotherapy and chronic

pain), occupational therapists, psychologists, psychotherapists, social psychologists, educationists, health scientists, nursing scientists and social scientists (Table I). The experts represented of diverse settings and contexts in health, social welfare and education – and the perspectives of scientists, researchers, educators, organizational leaders, practitioners and policymakers. The participants were representative of the invited persons' professions and positions in the Finnish rehabilitation system. The pre-test of Delphi questionnaire resulted in revisions of improving clarity of the instructions for the Delphi panellists and spelling.

Round 1

In Round 1, participants reached agreement for 65 of the 92 content questions: 17 items reached consensus to be included, and 48 items were excluded because of low ratings or qualitative assessments favouring exclusion. The domains on which items reached agreement to be included concerned 'Knowledge', 'Skills', 'Beliefs about capabilities', 'Intentions', 'Innovation', 'Organization', 'Patient', 'Innovation strategy', 'Social influences' and 'Behavioral regulation'. The domains in which all items reached agreement to be excluded were 'Social/professional role and identity', 'Optimism', and 'Goals'. Mean scores ranged from 2.4 to 4.6, and the standard deviations from 0.51 to 1.22 (Supplementary Digital Material 2: Supplementary Table II).

In reconsiderations of items, which did not reach consensus in Round 1, 48 changes were made to the questionnaire. Changes included revisions to wordings (N.=27), adding one missing item (6.2) from original 93-item DIBQ

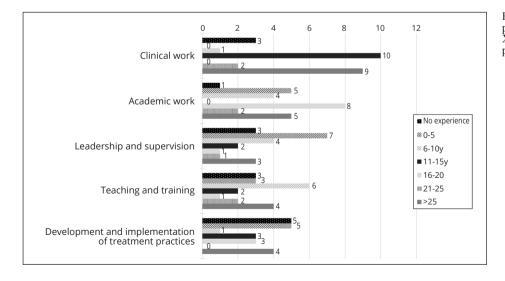


Figure 2.—Professional experience of participants. X-axis describes the number of participants in each field and category.

Participant	Field of education	Primary role	Field of expertise
P1	Health Sciences Health Economics	Senior Planning Officer	Health economics Health technology assessment
22	Health Sciences Occupational Therapy	Service Manager	Research and development of health care services Rehabilitation service system Management and supervision of social and health services Primary care
23	Health Sciences Physiotherapy	Physiotherapist	Research and development of rehabilitation Research and development of health care services Education and training Biopsychosocial evaluation and treatment Direct access to physiotherapist Primary care
24	Health Sciences Physiotherapy	Physiotherapist	Research and development of rehabilitation Education and training Biopsychosocial evaluation and treatment Direct access to physiotherapist Clinical expert: orthopedic manual therapy Rehabilitation entrepreneur
P5	Health Sciences Physiotherapy	Researcher	Education and training Clinical expert
P6	Health Sciences Physiotherapy	Educator	Research and development of rehabilitation Education and training: physiotherapy
P7	Medicine	Physician	Research and development of health care services Implementation research Management and supervision of social and health services Clinical expert Evidence-based medicine
P8	Medicine	Physician	Research and development of health care services Implementation research: clinical guidelines
P9	Medicine	PRM specialist	Research and development of health care services Research and development of occupational health care services Education and training: medical sciences Clinical expert
P10	Medicine	Specialist in neurology	Research and development of health care services Social insurance institution
P11	Medicine	Specialist in General Medicine	Research and development of health care services Implementation research Biopsychosocial evaluation and treatment Management and supervision of social and health services Primary care
P12	Music Therapy Psychotherapy	Researcher Trainer Facilitator Therapist	Research and development of rehabilitation: evaluation and effectivenes research Education and training Clinical expert
P13	Nursing Sciences	Doctoral Researcher Research Coordinator	Education and training
P14	Nursing Sciences	Educator	Education and training
P15	Psychology	Researcher, Psychotherapist	Research and development of rehabilitation Research and development of health care services Clinical expert
P16	Psychology and Educational Sciences	Senior Advisor	Multidisciplinary and customer-oriented development of social and heal services Development of the cooperation structures in the social and welfare services
217	Medicine	Researcher Physician	Research and development of rehabilitation Implementation research Rehabilitation service system Working life research Occupational health care
P18	Medicine	Chief Medical Officer PRM specialist	Research and development of rehabilitation Education and training Management and supervision of social and health services Clinical expert: secondary care
P19	Medicine	Chief Medical Officer PRM specialist	Research and development of health care services Primary care

(To be continued)

Participant	Field of education	Primary role	Field of expertise
P20	Medicine	Chief Medical Officer PRM specialist	Research and development of rehabilitation Research and development of occupational health care services Rehabilitation service system
P21	Medicine	Chief Medical Officer PRM specialist	Research and development of rehabilitation Research and development of health care services Rehabilitation service system Management and supervision of social and health services Biopsychosocial evaluation and treatment Clinical expert: primary care
P22	Medicine	Researcher Chief Medical Officer PRM specialist	Research and development of rehabilitation Research and development of health care services Education and training
P23	Social, Health and Sports Sciences	Educator Project Manager Researcher	Research and development of rehabilitation: rehabilitation of the elderly Research and development of health care services Education and training
P24	Social Psychology	Executive Manager	Education and training: Social psychology, behavior change, motivational interview Associations and foundations
P25	Social Sciences	Senior Advisor	Research and development of rehabilitation Implementation research Implementation support Rehabilitation service system Management and supervision of social and health services: Self-assessment strategies Occupational health care

in Round 1 (N.=1) and addition of new items (N.=20). All new items were added as suggested by the experts for the Round 2.

Inductive content analysis of the feedback provided by the experts in Round 1 identified three key categories of statements that described the contents being: 1) 'modifying', 2) 'supportive' and 3) 'critical'. The total number of coded statements was 303. The statements were classified into three categories and five subcategories. 'Modifying' (N.=67) included subcategories of 'modifying the content of an existing item' (N.=47) and 'modifying the content of the domain with a new item' (N.=20). 'Supportive' included a subcategory of 'encouraging the use of an item or domain' (N.=36). 'Critical' (N.=200) included subcategories of 'critical constructive' statements reflecting of how the items are worded, presented and understood in Finnish language (N.=165) and 'exclude' statements suggesting excluding the item or domain (N.=35). Categories and subcategories were conceptualized based on the data of the research question, and iteratively developed from the coding. The results of content analysis are presented in the Table II.

In the end of Round 1, 68% (N.=17) expected the questionnaire as 'suitable' for Finnish context, 4% (N.=1) 'not suitable' and 28% (N.=7) 'could not yet say'. Half of the drop-outs (N.=4) rated the questionnaire as 'suitable' and half 'could not say'. The Delphi expert that rated the questionnaire as 'suitable' and half 'could not say'.

tionnaire not suitable criticized on the length, imbalance of the domains and lacking compatibility for all professional groups. On the other hand, the question categories were found to be useful in different situations, and the possibility to choose the most appropriate questions for different purposes was discussed.

Round 2

For Round 2, 84% of Round 1 participants completed the survey (N.=21). Three of the experts dropped out due to lack of time and one had volunteered to participate in Round 1 only. In total, 48 amendments to the questionnaire were proposed. In addition, four items reached consensus to be included while 44 items were excluded. Mean scores ranged from 2.9 to 4.6, with the standard deviation ranging from 0.49 to 1.22 (Supplementary Table II). Supplementary Digital Material 3 (Supplementary Table III) presents the ratings of items that are included in DIBQ-mp for Round 1 and Round 2.

In the end of Round 2, 76% (N.=16) expected the questionnaire to be 'suitable' for Finnish context and 24% (N.=5) could not yet say. Examples of responses included:

"If such a questionnaire were available, it could facilitate the implementation of the various guidelines and make it more targeted at the services." (P1)

"The questionnaire can be used to design, adjust and provide the right kind of training for professionals, and

TABLE II.—Res Category (number	*	Evample of sammants	Examples of quotations	Adaptations
of statements)	of statements)	Example of comments	Examples of quotations	Adaptations
Modifying (67)	an existing item (47)	 Improve clarity and legibility by shortening the sentences. Content related feedback on the wording of the items. 	social and health care organizations. The forms of the questions are targeted only to health care professionals." (P17) "A 'participant' is not a suitable term for all interventions." (P8) "Shorten "following the guidelines" out of the questions." (P9) "6.9 Strange emphasis on physical activity. Rehabilitation is a learning process. (P25) "18.1 The word 'automatically' does not seem appropriate here. Could it be 'naturally', which suggests that it does not require effort. Automatic rehabilitation intervention is more like robotics." (P12) "14.7 The word "helpful" is challenging. It may or may not mean concrete help." (P2)	"following the guidelines".
	Modifying the content of the domain with a new item (20)	New questions suggested by Delphi experts.	 "I believe that [] is achieving results" "I experience positive emotions (e.g., calmness, optimism, comfort) when working in an []. "I believe that I am doing relevant work in delivering []" 	 The importance of all the proposed 20 new items were evaluated in Delphi round 2.
Critical (200)	Critical constructive (165) Exclude (35)	Choice of wording and phrasing in Finnish. Imprecise sentences that should be clarified. Understanding. General critical statement of the questionnaire. Statements suggesting	everyone." (P14) "The questions are formulated as if assuming that the intervention is a one-time operation that is performed and can then be so considered performed (such as surgery on a single patient). I guess the intention should be for a professional to take intervention in a tool that is used constantly and over and over again with several different clients." (P16) "The issue of motivation of participants is problematic because professionals should not drift into a situation where "they" accomplish something for "those" who are not motivated." (P12) "It is essential to specify what is meant by an evaluation (4.9)." (P25) "The question of the focus of primary health care on prevention is surprising in this context and, if it is held, it must somehow be explained (10.3). In order to have sufficient resources, primary health care should focus more on prevention?" (P16) "13.7. I do not understand the question." (P2) "This domain [Organization] is limited to thinking about a paid work model, as is the case in the original survey. But while this work is done in many other different "labour market positions" such as selfemployed, it should be possible to answer similar questions from those positions as well" (P17) "14.1 is definitely useless." (P8)	considerations of the importance and suitability of the items 4.4 and 17.4 and changing the wording of the item 12.1 from "motivation" to "meaningfulness". Specifying and clarifying items 4.9, 4.11, 10.3 and 13.7 for increased understanding. The general critical comments were saved for research group for future studies.
d (; (2.0)	P	excluding the item or domain.	particular intervention, in particular 10.3." (P3)	• Comments were used to guide the considerations of the importance and suitability of the items.
Supportive (36)	Encouraging the use of the item or the domain (36)	 Confirmatory feedback on the importance of the items or the domains. 		 No adaptations made to items. Comments were used to guide the considerations of the importance.

supervisors will also be informed about their own role in the success of the implementation." (P13).

"The questionnaire would reveal the views of the professional delivering the intervention as well as it can explain the results of the intervention or whether it is not taking place actually in practice." (P2)

"This is a good universal questionnaire for evaluation of the implementation. If particularly interested in some aspect in addition to the core-set, such as emotions or organizational support, you may add questions related to this topic to the questionnaire." (P25)

Synthesis and consensus of the results with validity ratings

After Round 2, comparison with DIBQ-t resulted in further exclusion of four and inclusion of four items. Items were

included in the synthesis based on importance for research purposes (2.1), multiprofessional work (6.7), the need of further support for professionals (4.6) and emphasis on client perspective (12.1). Items (1.3, 11.4, 14.5) were excluded due to overlapping with content. Suggested new item "I believe that I am doing relevant work in delivering [guideline-based intervention/procedure]" was excluded due to not having TDF classification. After the synthesis, the Delphi process was concluded. Figure 3 illustrates the Delphi Process Summary.

The final DIBQ-mp covers 21 items representing 11 out of 18 TDF domains: 'Knowledge', 'Skills', 'Beliefs about Capabilities', 'Beliefs about Consequences', 'Intentions', 'Innovation', 'Organisation', 'Client/Participant/Patient', 'Innovation strategy', 'Social influences' and 'Behavioral regulation'. Table III demonstrates the final multiprofes-

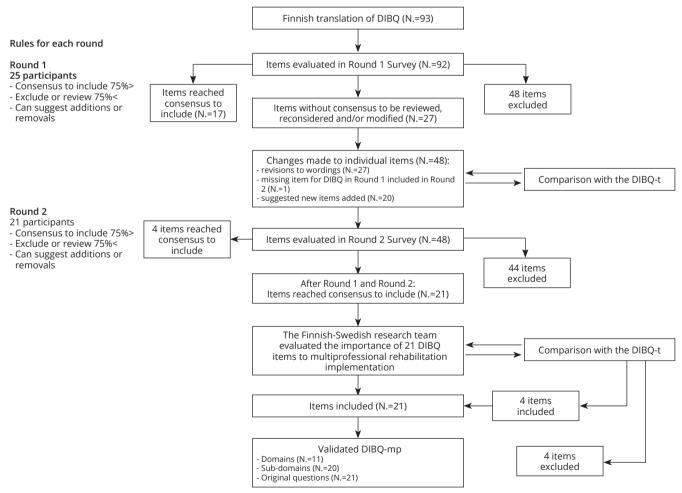


Figure 3.—The Delphi Process Summary.

Domain and construct	Item	Experts in agreement (N.)	Number of experts (N,)	I-CVI
Knowledge				
Knowledge	I know how to deliver [guideline-based intervention/procedure].	25	25	1.00
Role clarity	Objectives of [guideline-based intervention/procedure] and my role in this are clearly defined for me.	22	22	1.00
Skills				
Skills	I have been trained in delivering [guideline-based intervention/procedure].	18	23	0.78
	I have the skills to deliver [guideline-based intervention/procedure].	22	23	0.96
Beliefs about capabilities				
Self-efficacy	I am confident that I can deliver [guideline-based intervention/procedure]	20	21	0.95
Perceived behavioral control	For me, delivering [guideline-based intervention/procedure] is (very difficult – very easy).	18	20	0.90
Beliefs about consequences				
Attitude	For me, delivering [guideline-based intervention/procedure] is (not useful at all – very useful).	21	21	1.00
Outcome expectancies	If I deliver [guideline-based intervention/procedure] following the guidelines, this will strengthen the collaboration with professionals with whom I deliver [guideline-based intervention/procedure].	17	19	0.88
Intentions				
Intentions	How strong is your intention to deliver [guideline-based intervention/procedure] in the next three months? (not strong – very strong)	19	22	0.86
Innovation				
Innovation characteristics	It is possible to tailor [guideline-based intervention/procedure] to patients'/clients'/rehabilitees'/participants' needs?	20	22	0.91
	[Guideline-based intervention/procedure] is compatible with daily practice.	21	23	0.91
Organization				
Organizational resources and support	In the organization I work, all necessary resources are available to deliver [guideline-based intervention/procedure].	20	21	0.95
	I can count on support from the management of the organization I work in, when things get tough around delivering [guideline-based intervention/procedure].	25	25	1.00
Patient/client				
Patient/client characteristics	Patients/Clients/Rehabilitees/Participants consider participation in [guideline-based intervention/procedure] meaningful.	14	16	0.88
	Patients/Clients/Rehabilitees/Participants of [guideline-based intervention/procedure] are positive about [guideline-based intervention/procedure].	22	24	0.92
Innovation strategy				
Innovation strategies	[Implementing organization] provides professionals with a training to deliver [guideline-based intervention/procedure].	21	22	0.95
	[Implementing organization] provides sufficient intervention instructions and materials.	19	21	0.90
	[Implementing organization] provides assistance to professionals with delivering [guideline-based intervention/procedure].	22	24	0.92
Social influences				
Descriptive norm	Professionals with whom I deliver [guideline-based intervention/procedure] deliver [guideline-based intervention/procedure] following the guidelines.	20	21	0.95
Social support	I can count on support from professionals with whom I deliver [guideline-based intervention/procedure] when things get tough around delivering [guideline-based intervention/procedure].	22	23	0.96
Behavioral regulation	• •			
Action planning	I have a clear plan of how I will deliver [guideline-based intervention/procedure].	23	23	1.00
S-CVI/Ave 0.93	- 1			

sional DIBQ (DIBQ-mp), re-translated back to English language. Supplementary Digital Material 4 (Supplementary Table IV provides the Finnish version of the final DIBQ-mp.

In the content validity assessment, all 21 of the DIBQ-mp items were indexed with CVI≥0.78 (Table III). Most items were rated CVI≥0.90 by majority of the content experts (N.=16-25) except for four items ranging from 0.78 to

0.88 (Table III). The final DIBQ-mp is composed of items that have I-CVIs of ≥0.78 and overall scale-level content validity index S-CVI/Ave 0.93 (excellent content validity: I-CVIs of ≥0.78 and an S-CVI/Ave of 0.90 or higher).³⁹

Discussion

The final validated multiprofessional DIBQ, DIBQ-mp, was reduced from 93 items on 18 domains to 21 items on 11 TDF domains of most important to multiprofessional rehabilitation context: 'Knowledge', 'Skills', 'Beliefs about Capabilities', 'Beliefs about Consequences', 'Intentions', 'Innovation', 'Organisation', 'Client/Participant/Patient', 'Innovation strategy', 'Social influences' and 'Behavioral regulation'. Moreover, based on high CVI-ratings, the DIBQ-mp is suitable for different settings in Finnish social and health care in context of multiprofessional rehabilitation.

To our knowledge, other tools intended to be used for the research on implementation of multiprofessional rehabilitation interventions and procedures are not available. The previous studies have applied the DIBQ-t in evaluating the expectations of the implementation process in profession-specific interventions. 40, 41 In the Swedish study, facilitating role of most domains of DIBQ-t was reported.⁴¹ The Danish study investigated clinician-level factors related to implementing evidence-based care for LBP patients in primary care using DIBQ-t and qualitative assessments. Personal gain, practicalities, buying-in on the program, and clinicians' attitudes toward the program were found important for implementation. Qualitative data was valuable in understanding that the participants had high competence in knowledge and skills after evidence-based training irrespective whether they implemented the intervention or not. The study indicated that training alone is insufficient for implementation.⁴⁰ DIBQ-mp version was developed for the multiprofessional rehabilitation context whereas DIBQ-t had focus on low back pain management. When DIBQ-mp was benchmarked to DIBQ-t, the determinants of implementation behaviour were same in both versions on the domain level but differed on an item-level.

The domains that were excluded from the original DIBQ related, firstly, to the individual level (micro level such as emotions and optimism), and secondly, to the system-related domains (macro-level such as professional role, and social and political context). It might reflect that the system level in Finland and in other Scandinavian countries is considered stable and allows professionals to choose interventions based on rather autonomous understandings on evidence-based guidelines instead of being

strictly regulated by the authorities. Organizational level (meso-level such as organizational support) was considered more important in the local clinical context. On the individual level, the domains that were ruled out related to the psychological profiles, whereas included domains such as knowledge and skills were considered of more importance. System and individual level were potentially less influential considering barriers or facilitators of implementation behavior in multiprofessional rehabilitation context.

The purpose of the Round one Delphi was to detect the DIBQ questions that experts valued as potentially important determinants of professionals' implementation behavior and the purpose of the Round two was to condense the list. However, instead of just removing unnecessary guestions, Delphi panellists suggested multiple new items to be included. Delphi participants raised up relevant themes that they felt were missing from the original DIBQ questionnaire: 1) support for multiprofessional work in rehabilitation; 2) beliefs about outcome-expectancies and meaningfulness of the work; 3) patient perspectives: expectations, values, satisfaction, recovery; 4) compatibility (is the intervention perceived as being consistent with the professional's existing values, past experiences, and needs); 5) perspectives of continuous learning, learning organization and special features of adult learning; 6) advantages from the patient's point of view; and 7) estimation of the professional's own willingness to embrace and apply, and ability to monitor the implementation (Supplementary Table II). Notably, in Round 2, none of the added items reached consensus to be included in the final DIBQ-mp.

One aspect that was not raised by Delphi panellists was which DIBQ items would capture barriers and facilitators from a health care/societal economic point of view. For example, items regarding beliefs about consequences (6.1, 6.2, 6.5), innovation (9.3), social-political context (10.2), innovation strategy (13.6) capture certain economical aspects. However, the experts prioritized the item 6.1 asking if delivering the intervention following the guidelines is "useful". This could be interpreted as capturing aspects of cost utility from the professional perspective, but for more robust coverage of cost utility, researchers would probably need to include additional items to the DIBQ-mp for their specific research purpose.

The original version of the questionnaire was developed to be applicable to any context but was first tested in a specific context. A recent Cochrane review suggests that mixed-methods studies with longer acclimatization period before evaluation of newly implemented teamwork interventions, and longer follow-up, are needed when

implementing interventions that require multiprofessional collaboration.¹¹ For this purpose, valid and reliable tools are necessary. A scale has been developed to measure multiprofessional (nurse-physician) collaboration⁴² but there are limitations with the validity, reliability, and the extent the scale can be used with different professional groups.

Engaging clinicians in multiprofessional collaboration belongs to managers' role, starting with an evaluation of the quality of services and establishing reimbursements that support teamwork, local quality improvement and the interdisciplinary sharing of knowledge.⁴³ Therefore, managers need information about the relationship of professionals with other disciplines, and professionals' attitudes, beliefs and motivational factors for multiprofessional collaboration.^{44, 45} We propose the use of implementation research -based questionnaire to collect data on the use of evidence in daily routines, to advance problem solving when putting evidence into practice, and to facilitate the implementation of guideline-based interventions and procedures.

The DIBQ-mp would seem most suitable for multiprofessional training of evidence-based interventions and in improving future implementation strategies. Essentially, DIBQ-mp can identify factors of importance at individual, system and organization levels. The 'Socio-political context' domain was excluded from the DIBQ-mp. The society context was seen critical to success by Delphi experts, but the important actors are context- and system-related. When aspects of information at society level is needed, items considering larger operational environment can be added to the questionnaire.

We used well-established methods in the cross-cultural adaptation and Delphi process. The strength of the Delphi method was that we were able to gather participants with different professions in rehabilitation from all parts of Finland. Good geographical coverage also provided diversity in Delphi experts' accents and wordings in different parts of the country. Finland has approximately 5.5 million inhabitants. The Finnish rehabilitation system includes practicing rehabilitation experts from the primary care, secondary care, rehabilitation entrepreneurs, associations and foundations, occupational health care, scholars of the field in universities and research institutions as well as experts acting in the funding organizations such as the national social insurance institution, earnings-related pension providers, insurance companies and State Treasury.1 The group of experts included was representative in terms of practicing experts and educators of the Finnish rehabilitation system. A minimum panel of 15-20 experts is recommended to ensure sufficient contributions in a Delphi study,³² and we had over 20 experts in both rounds. Also, the use of both quantifiable and qualitative measures, and especially, inclusion of a qualitative assessment can be regarded as a strength of the study. However, the use of Finnish multiprofessional experts for the Delphi process can be regarded as a limitation too as the generalizability of DIBQ-mp to other European countries and worldwide needs to be evaluated. However, the authors of the study comprise a multiprofessional group of researchers from Sweden and Finland, intensively networking internationally.

The process of translation of DIBQ involved crosscultural translation process followed by Delphi procedure, which provided expert opinions on the comprehensiveness of the questionnaire. The cross-cultural translation included a backward translation by one professional translator, while a minimum of two professional translators is recommended to assure consistent translation.²⁷ However, there is controversy of the need and value of backward translation.^{46,47} It has been proposed that the inclusion of an expert panel improves the quality of the instrument, especially the face validity and content validity.⁴⁸ In addition, the qualitative assessment can maximize the attainment of semantic, idiomatic, experiential and conceptual equivalence.⁴⁹

There are no validated quality indicators for Delphi studies. A set of four criteria has been proposed as quality indicators:31 1) Were criteria for participants reproducible? 2) Was the number of rounds to be performed stated? 3) Were criteria for dropping items clear? 4) Stopping criteria other than rounds specified? In this study, the recruiting strategy and criteria for participants produced the desired number of professionals with diversity of professions and convincing experience in implementation or rehabilitation system. Four Delphi participants did not attend Round 2 with a drop-out rate of 16%, which is quite low. The planned number of rounds was performed as noted in instructions to Delphi participants. The criteria for dropping items were based on consensus. In Delphi studies the definition of consensus based on percentage can range from 50-97%.31 In this study, consensus was defined as a proportion within a range (unrestricted), i.e. items rated at group level of agreement of 75% or higher were included and 74% or lower were either excluded or reviewed and revised depending on qualitative judgements. The termination of the Delphi was based on a priori definition to run two rounds.

Limitations of the study

One of the limitations of *a priori* specification of criteria for dropping items, is that items believed to be important may

fall just below the threshold. If sufficient justification is provided, the authors may consider including these items *a posteriori*.³¹ In our study, three original items with \leq 74% agreement (2.1; 4.6; 12.1) were included in the final DIBQ-mp.

Implementing and changing behavior in a multiprofessional context can be even more challenging than in a profession-specific setting. The research on multiprofessional collaborative practices is still developing.^{50, 51} The factors that facilitate multiprofessional collaboration are often specifically related to the operating environment (organizational and processual aspects) and relational and contextual factors of multiprofessionalism.¹²

The study presents a tool, a tailored questionnaire for multiprofessional rehabilitation implementation use, the DIBO-mp, consisting of 21 items. DIBO-mp can be used in evaluating determinants, either facilitators or barriers, of implementing evidence-based multiprofessional rehabilitation in clinical practice. The questionnaire can address the issues professionals encounter when implementing new evidence-based models for the benefit of patients. The specific name of the training, intervention, model, innovation or procedure is replaced for [guideline-based intervention /procedure] within each item. The DIBO-mp with 21 items is a shorter, and more pragmatic version of the original DIBQ. Expert statements denoted that a questionnaire aimed for professionals should be kept short as a long questionnaire is more difficult to use for multiprofessional rehabilitation.

In all, the focus of the research was directed by the opinions of the Delphi participants. Therefore, the results of the study reflect the consensus opinion. The Delphi study objective was to present the results as a core set of items important in multiprofessional rehabilitation implementation. As all the DIBQ items are tailored to multiprofessional rehabilitation context (Supplementary Table II), certain domains or individual items can be added to the DIBQ-mp according to singular research purpose. The TDF is generally used to build a semi-structured interview guide. In future studies, it would be interesting to use the determinant questionnaire as a low-cost strategy to survey a large sample of professionals in different fields of multiprofessional rehabilitation.

Conclusions

We present a national-level development process of crossculturally adapted and condensed DIBQ-mp tool. It consists of 21 items to assess determinants of professionals' implementation behavior in multiprofessional rehabilitation context, representing 11 of the initial 18 DIBQ domains.

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Conflicts of interest

The authors certify that there is no conflict of interest with any financial organization regarding the material discussed in the manuscript.

Authors' contributions

Conceptualization: Maija Paukkunen, Allan Abbott, Jaro Karppinen, Birgitta Öberg, Tuulikki Sjögren, Riku Nikander; data curation: Maija Paukkunen; formal analysis: Maija Paukkunen; interpretation of data: Maija Paukkunen, Allan Abbott, Leena Ala-Mursula, Birgitta Öberg, Jaro Karppinen, Tuulikki Sjögren, Riku Nikander, Heidi Riska; writing—Original Draft Preparation: Maija Paukkunen; Writing—Review & Editing: all authors. All authors read and approved the final version of the manuscript.

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SUPPLEMENTARY DIGITAL MATERIAL 1

Supplementary Table I.—The Finnish Translation of Determinants of Implementation Behavior Questionnaire.

Toiminnan muutosta ohjaavat tekijät -kysely sovellettuna moniammatilliseen kuntoutuskontekstiin. Kysely kartoittaa ammattilaisten kokemuksia mm. tietoihin, taitoihin, käyttäytymiseen, asenteisiin ja toimintakulttuuriin liittyen, jotka voivat joko edistää tai estää näyttöön pohjautuvan suosituksen mukaisen hoidon toteuttamista. Kyselyn taustateorioina ovat Teoreettisten aihealueiden viitekehys (Theoretical Domains Framework) ja Käyttäytymisen muutospyörä (Behavioural Change Wheel).

Vastausvaihtoehtoina käytetään 7-portaista Likertin asteikkoa (1= täysin eri mieltä, 7 = täysin samaa mieltä) kaikissa kysymyksissä paitsi 4.6, 4.7, 4.8, 6.1, 6.2, 6.3, 6.4 ja 7.3. Kussakin kohdassa käytetään tarkasteltavan suosituksen nimeä [Näyttöön pohjautuvan toimintamallin] sijaan, esimerkiksi "Tiedän, miten alaselkäkivun Käypä hoito -suosituksen mukainen hoito toteutetaan".

Osa-	Käsite	Kysymys			
alue					
D1 TIED	OT				
D1.1	Tiedot (1)	Tiedän, miten [Näyttöön pohjautuvaa toimintamallia] toteutetaan			
D1.2	Tehtävien selkeys	[Näyttöön pohjautuvan toimintamallin] tavoitteet ja osuuteni			
	(3)	niissä on selkeästi määritelty minulle			
D1.3		Tiedän omat velvollisuuteni [Näyttöön pohjautuvaan			
		toimintamalliin] liittyen			
D1.4		Tiedän tarkalleen mitä minulta odotetaan työssäni [Näyttöön			
		pohjautuvan toimintamallin] parissa			
D2 TAID	D2 TAIDOT				
D2.1	Taidot (3)	Minut on koulutettu toteuttamaan [Näyttöön pohjautuvaa			
		toimintamallia]			
D2.2		Minulla on taidot toteuttaa [Näyttöön pohjautuvaa toimintamallia]			
D2.3		Olen harjaantunut toteuttamaan [Näyttöön pohjautuvaa			
		toimintamallia] suositusten mukaisesti			
D3 SOSIAALINEN JA AMMATILLINEN ROOLI, IDENTITEETTI					

D3.1	Ammatillinen	[Näyttöön pohjautuvan toimintamallin] toteuttaminen suositusten
	rooli (3)	mukaisesti on osa työtäni sosiaali- ja terveydenhuollon
		ammattilaisena
D3.2		Sosiaali- ja terveydenhuollon ammattilaisena tehtäväni on
		toteuttaa [Näyttöön pohjautuvaa toimintamallia] suositusten
		mukaisesti
D3.3		On vastuuni sosiaali- ja terveydenhuollon ammattilaisena
		toteuttaa [Näyttöön pohjautuvaa toimintamallia] suositusten
		mukaisesti
D4 OML	A KYKYJÄ KOSKE	EVAT KÄSITYKSET
D4.1	Minäpystyvyys	Olen varma, että osaan toteuttaa [Näyttöön pohjautuvaa
	(4)	toimintamallia]
D4.2		Olen varma, että osaan toteuttaa [Näyttöön pohjautuvaa
		toimintamallia] suositusten mukaisesti, vaikka muut [Näyttöön
		pohjautuvassa toimintamallissa] mukana olevat ammattilaiset
		eivät toimisi samoin
D4.3		Olen varma, että osaan toteuttaa [Näyttöön pohjautuvaa
		toimintamallia] suositusten mukaisesti, vaikka käytettävissä olisi
		vain vähän aikaa
D4.4		Olen varma, että osaan toteuttaa [Näyttöön pohjautuvaa
		toimintamallia] suositusten mukaisesti, vaikka
		potilaat/asiakkaat/kuntoutujat/osallistujat eivät olisi
		motivoituneita
D4.5		Hallitsen [Näyttöön pohjautuvan toimintamallin] toteuttamisen
		suositusten mukaisesti
D4.6	Koettu	Minulle [Näyttöön pohjautuvan toimintamallin] toteuttaminen on
	toteutuksen	erittäin vaikeaa - erittäin helppoa
	osaaminen (7)	
D4.7		Minulle osallistujien valinta on erittäin vaikeaa - erittäin helppoa
D4.8		Minulle [Näyttöön pohjautuvaan toimintamalliin] liittyvän
		koulutusohjelman toteuttaminen on erittäin vaikeaa - erittäin
		helppoa

D4.9		Minulle [Näyttöön pohjautuvaan toimintamalliin] liittyvän
		arvioinnin suorittaminen on erittäin vaikeaa - erittäin helppoa
D4.10		Sen huomiointi ylläpitääkö osallistuja käyttäytymistään [Näyttöön
		pohjautuvan toimintamallin] ulkopuolella on minulle erittäin
		vaikeaa - erittäin helppoa
D4.11		Minulle [Näyttöön pohjautuvan toimintamallin] tulosten tulkinta,
ı		yhteenvedon tekeminen ja raportointi muille on erittäin vaikeaa -
		erittäin helppoa
D5 OPT	IMISMI	
D5.1	Optimismi (3)	Työssäni sosiaali- ja terveydenhuollon ammattilaisena odotan
		epävarmoinakin aikoina useimmiten parasta
D5.2		Työssäni sosiaali- ja terveydenhuollon ammattilaisena olen aina
		optimistinen tulevaisuuden suhteen
D5.3		Työssäni sosiaali- ja terveydenhuollon ammattilaisena ylipäänsä
		odotan tapahtuvan enemmän hyviä asioita kuin huonoja
D6 KÄS	 ITYKSET TOIMIN	NAN VAIKUTUKSISTA
D6.1	Asenne (4)	Mielestäni [Näyttöön pohjautuvan toimintamallin] toteuttaminen
	,	on (erittäin hyödytöntä - erittäin hyödyllistä)
D6.2		Mielestäni [Näyttöön pohjautuvan toimintamallin] toteuttaminen
		suositusten mukaisesti on (erittäin kannattamatonta - erittäin
		kannattavaa)
D6.3		Minulle [Näyttöön pohjautuvan toimintamallin] toteuttaminen
		suositusten mukaisesti on (erittäin epämieluisaa - erittäin
		mieluisaa)
D6.4		Minulle [Näyttöön pohjautuvan toimintamallin] toteuttaminen
		suositusten mukaisesti on (erittäin yhdentekevää - erittäin
		kiinnostavaa)
D6.5	Tulosodotukset	Jos toteutan [Näyttöön pohjautuvaa toimintamallia] suositusten
2 0.0	(5)	mukaisesti, [Näyttöön pohjautuva toimintamalli] on kaikkein
		vaikuttavinta
D6.6		Jos toteutan [Näyttöön pohjautuvaa toimintamallia] suositusten
D 0.0		mukaisesti, potilaat/asiakkaat/kuntoutujat/osallistujat arvostavat
1		sitä
		Situ .

D6.7		Jos toteutan [Näyttöön pohjautuvaa toimintamallia] suositusten
D 0.7		mukaisesti, se vahvistaa yhteistyötä [Näyttöön pohjautuvaa
		toimintamallia] toteuttavien ammattilaisten kanssa
D6.8		Jos toteutan [Näyttöön pohjautuvaa toimintamallia] suositusten
		mukaisesti, olen tyytyväinen.
D6.9		Jos toteutan [Näyttöön pohjautuvaa toimintamallia] suositusten
		mukaisesti, se edistää osallistujan aktiivisuutta ja toimijuutta
		elämässään
D6.10	Kannustimet (3)	Kun toteutan [Näyttöön pohjautuvaa toimintamallia] suositusten
		mukaisesti, saan rahallista hyötyä
D6.11		Kun toteutan [Näyttöön pohjautuvaa toimintamallia] suositusten
		mukaisesti, saan työyhteisössäni arvostusta
D6.12		Kun toteutan [Näyttöön pohjautuvaa toimintamallia] suositusten
		mukaisesti, saan osallistujilta tunnustusta.
D7 AIKO	MUKSET	
D7.1	Aikomukset (3)	Aion toteuttaa [Näyttöön pohjautuvaa toimintamallia] suositusten
		mukaisesti seuraavan 3 kuukauden kuluessa
D7.2		Aion ehdottomasti toteuttaa [Näyttöön pohjautuvaa
		toimintamallia] suositusten mukaisesti seuraavan 3 kuukauden
		kuluessa
D7.3		Kuinka vahva on aikomuksesi toteuttaa [Näyttöön pohjautuvaa
		toimintamallia] seuraavan 3 kuukauden kuluessa (erittäin
		vähäinen – erittäin vahva)
D8 TAVO	DITTEET	
D8.1	Ensisijaisuus (2)	Kuinka usein muiden töiden tekeminen on tärkeämmällä sijalla
		kuin [Näyttöön pohjautuvan toimintamallin] toteuttaminen
		suositusten mukaisesti
D8.2		Kuinka usein muiden töiden tekeminen on kiireellisempää kuin
		[Näyttöön pohjautuvan toimintamallin] toteuttaminen suositusten
		mukaisesti
D9 UUSI	L TOIMINTAMALL	

D9.1	Uuden	[Näyttöön pohjautuva toimintamalli] on mahdollista räätälöidä
D9.1		· · · · · ·
	toimintamallin	potilaiden/asiakkaiden/kuntoutujien/osallistujien tarpeiden
	ominaisuudet (5)	mukaisesti
D9.2		[Näyttöön pohjautuva toimintamalli] on mahdollista räätälöidä
		ammattilaisten tarpeiden mukaisesti
D9.3		[Näyttöön pohjautuvan toimintamallin] toteuttaminen ei vie
		paljon aikaa
D9.4		[Näyttöön pohjautuva toimintamalli] sopii päivittäiseen
		asiakastyöhön
D9.5		[Näyttöön pohjautuva toimintamalli] on yksinkertainen toteuttaa
D10 TOIN	MINTAYMPÄRISTO	Ö JA RESURSSIT
D10.1	Yhteiskunnallinen	Palveluista ja etuuksista valtakunnallisesti, alueellisesti ja
	toimintaympäristö	paikallisesti päättävät tahot antavat riittävän tuen [Näyttöön
	(3)	pohjautuvalle toimintamallille]
D10.2		Sosiaalivakuutusjärjestelmä (KELA, työeläkeyhtiöt,
		tapaturmavakuutusyhtiöt) antaa riittävän tuen [Näyttöön
		pohjautuvalle toimintamallille]
D10.3		Resurssien riittämiseksi perusterveydenhuollon tulisi suuntautua
		nykyistä enemmän ennaltaehkäisyyn
D11 TYÖ	PAIKKA	
D11.1	Työpaikan	Työpaikallani on kaikki tarvittavat resurssit käytettävissä
	resurssit ja tuki	[Näyttöön pohjautuvan toimintamallin] toteuttamiseen
	(4)	
D11.2		Voin luottaa työpaikkani johdon tukeen, kun [Näyttöön
		pohjautuvan toimintamallin] toteuttamisessa ilmaantuu ongelmia
D11.3		Työpaikkani johto on halukas kuuntelemaan ongelmiani
		[Näyttöön pohjautuvan toimintamallin] toteuttamisessa
		suositusten mukaisesti
D11.4		Työpaikkani johto on halukas antamaan tukea ja ratkaisuja
		[Näyttöön pohjautuvan toimintamallin] suositusten mukaiseen
		toteuttamiseen
D12 POT	ILAS / ASIAKAS	

D12.1	Potilaan /	Potilaat/asiakkaat/kuntoutujat/osallistujat kokevat [Näyttöön		
	asiakkaan	pohjautuvan toimintamallin] merkityksellisenä		
	käsitykset (2)			
D12.2		[Näyttöön pohjautuvan toimintamallin]		
		potilaat/asiakkaat/kuntoutujat/osallistujat suhtautuvat		
		myönteisesti [näyttöön pohjautuvaan toimintamalliin]		
D13 TOIN	D13 TOIMEENPANOON LIITTYVÄT KÄYTÄNNÖT			
D13.1	Toimeenpanoon	[Toimeenpaneva taho] tarjoaa ammattilaisille koulutusta		
	liittyvät käytännöt	[Näyttöön pohjautuvan toimintamallin] toteuttamiseen		
	(7)			
D13.2		[Toimeenpaneva taho] tarjoaa ammattilaisille mahdollisuuden		
		testata [Näyttöön pohjautuvan toimintamallin] toteuttamista		
		ennen kuin heidän täytyy sitoutua siihen		
D13.3		[Toimeenpaneva taho] tarjoaa riittävästi käyttöä tukevaa		
		materiaalia [Näyttöön pohjautuvan toimintamallin] toteuttamiseen		
D13.4		[Toimeenpaneva taho] tarjoaa tukea ammattilaisille [Näyttöön		
		pohjautuvan toimintamallin] toteuttamiseen		
D13.5		[Toimeenpaneva taho] järjestää suunnittelukokouksia		
		ammattilaisille		
D13.6		[Toimeenpaneva taho] tarjoaa ammattilaisille riittävän		
		taloudellisen korvauksen [Näyttöön pohjautuvan toimintamallin]		
		toteuttamisesta		
D13.7		[Toimeenpaneva taho] auttaa ymmärtämään [Näyttöön		
		pohjautuvan toimintamallin] tavoiteltuja tai saavutettuja tuloksia		
D14 SOS	IAALISEN YMPÄR	ISTÖN VAIKUTUKSET		
D14.1	Käsitykset	Useimmat minulle tärkeistä ihmisistä ovat sitä mieltä, että minun		
	toiminnasta (2)	tulisi toteuttaa [Näyttöön pohjautuvaa toimintamallia] suositusten		
		mukaisesti		
D14.2		Ammattilaiset, joiden kanssa toteutan [Näyttöön pohjautuvaa		
		toimintamallia] ovat sitä mieltä, että minun tulisi toteuttaa		
		[Näyttöön pohjautuvaa toimintamallia] suositusten mukaisesti		

vakiintuneisuus toimintamallia], toteuttavat [Näyttöön pohjautuvaa toimintamallia] suositusten mukaisesti D14.4 Muut ammattilaiset, jotka työskentelevät [Näyttöön po	
D14.4 Muut ammattilaiset, jotka työskentelevät [Näyttöön po	
	ohjautuvan
toimintamallin] parissa, toteuttavat [Näyttöön pohjaut	uvaa
toimintamallia] suositusten mukaisesti	
D14.5 Sosiaalinen tuki Voin luottaa, että saan tukea ammattilaisilta, joiden ka	anssa
(3) toteutan [Näyttöön pohjautuvaa toimintamallia], kun s	sen
toteuttamisessa ilmaantuu ongelmia	
D14.6 Ammattilaiset, joiden kanssa toteutan [Näyttöön pohja	autuvaa
toimintamallia] ovat halukkaita kuuntelemaan ongelm	iani
[Näyttöön pohjautuvan toimintamallin] toteuttamisess	a
suositusten mukaisesti	
D14.7 Ammattilaiset, joiden kanssa toteutan [Näyttöön pohja	autuvaa
toimintamallia] ovat halukkaita antamaan tukea ja autt	tavat
löytämään ratkaisuja [Näyttöön pohjautuvan toimintar	mallin]
toteuttamiseen suositusten mukaisesti	
D15 TOIMINTAAN LIITTYVÄT MYÖNTEISET TUNTEET	
D15.1 Myönteiset Kun työskentelen [Näyttöön pohjautuvassa toimintam	allissa]
tunteet (6) tunnen oloni optimistiseksi	
D15.2 Kun työskentelen [Näyttöön pohjautuvassa toimintam	allissa]
tunnen oloni mukavaksi	
D15.3 Kun työskentelen [Näyttöön pohjautuvassa toimintam	allissa]
tunnen oloni rauhalliseksi	
D15.4 Kun työskentelen [Näyttöön pohjautuvassa toimintam	allissa]
tunnen oloni rentoutuneeksi	
D15.5 Kun työskentelen [Näyttöön pohjautuvassa toimintam	allissa]
tunnen itseni iloiseksi	
D15.6 Kun työskentelen [Näyttöön pohjautuvassa toimintam	allissa]
tunnen itseni innostuneeksi	
D16 TOIMINTAAN LIITTYVÄT KIELTEISET TUNTEET	
D16.1 Kielteiset tunteet Kun työskentelen [Näyttöön pohjautuvassa toimintam	allissa]
(6) tunnen oloni hermostuneeksi	

D160	1	77 . H. 1 . 1 . 1 . 1 . 1
D16.2		Kun työskentelen [Näyttöön pohjautuvassa toimintamallissa]
		tunnen itseni pessimistiseksi
D16.3		Kun työskentelen [Näyttöön pohjautuvassa toimintamallissa]
		tunnen oloni alakuloiseksi
D16.4		Kun työskentelen [Näyttöön pohjautuvassa toimintamallissa]
		tunnen itseni levottomaksi
D16.5		Kun työskentelen [Näyttöön pohjautuvassa toimintamallissa]
		tunnen oloni surulliseksi
D16.6		Kun työskentelen [Näyttöön pohjautuvassa toimintamallissa]
		tunnen oloni epämukavaksi
D17 OM	AN TOIMINNAN O	HJAUS
D17.1	Oman toiminnan	Minulla on selkeä suunnitelma, kuinka aion toteuttaa [Näyttöön
	suunnittelu (3)	pohjautuvaa toimintamallia]
D17.2		Minulla on selkeä suunnitelma, millaisissa tilanteissa toteutan
		[Näyttöön pohjautuvaa toimintamallia]
D17.3		Minulla on selkeä suunnitelma, milloin aion toteuttaa [Näyttöön
		pohjautuvaa toimintamallia]
D17.4	Ongelmiin	Minulla on selkeä suunnitelma, miten toteutan [Näyttöön
	varautuminen (3)	pohjautuvaa toimintamallia] suositusten mukaisesti, kun
		potilaat/asiakkaat/kuntoutujat/osallistujat eivät ole motivoituneita
D17.5		Minulla on selkeä suunnitelma, miten toteutan [Näyttöön
		pohjautuvaa toimintamallia] suositusten mukaisesti, kun
		käytettävissä on vain vähän aikaa
D17.6		Minulla on selkeä suunnitelma, miten toteutan [Näyttöön
		pohjautuvaa toimintamallia] suositusten mukaisesti, vaikka muut
		[Näyttöön pohjautuvassa toimintamallissa] mukana olevat
		ammattilaiset eivät toimisi samoin
D18 TOI	L MINNAN SUJUVU	US
D18.1	Luontevuus (4)	[Näyttöön pohjautuvan toimintamallin] toteuttaminen suositusten
		mukaisesti tapahtuu minulta luontaisesti
D18.2		[Näyttöön pohjautuvan toimintamallin] toteuttaminen suositusten
		mukaisesti tapahtuu minulta ilman tietoista muistelua
		1

D18.3		[Näyttöön pohjautuvan toimintamallin] toteuttaminen suositusten mukaisesti tapahtuu minulta ajattelematta
D18.4		[Näyttöön pohjautuvan toimintamallin] toteuttaminen suositusten mukaisesti on jotain mitä alan tekemään ennen kuin tajuan tekeväni sitä
D18.5	Muistinvaraisuus (2)	[Näyttöön pohjautuvan toimintamallin] toteuttaminen suositusten mukaisesti on jotain, jonka unohdan harvoin
D18.6		[Näyttöön pohjautuvan toimintamallin] toteuttaminen suositusten mukaisesti on jotain, jonka unohdan usein

Kyselyn lyhennetty versio on sävytetty harmaalla.

Tunnen [Näyttöön pohjautuvan toimintamallin], mutta en osaa toteuttaa sitä

Työnantajani ei välttämättä velvoita minua toimimaan [Näyttöön pohjautuvan toimintamallin] mukaisesti, mutta näen sen ainoana vastuullisena tapana

Työnantajani velvoittaa minua toimimaan [Näyttöön pohjautuvan toimintamallin] suositusten mukaisesti, mutta mielestäni olisi vastuullisempaa toimia toisella tavalla

Kokisin toimivani vastuuttomasti, jollen toimisi [Näyttöön pohjautuvan toimintamallin] suositusten mukaisesti

Olen varma, että pystyn toimimaan [Näyttöön pohjautuvan toimintamallin] suositusten mukaisesti, vaikka muut [Näyttöön pohjautuvassa toimintamallissa] mukana olevat ammattilaiset eivät toimisi samoin.

Tarvitsen muiden tukea [Näyttöön pohjautuvan toimintamallin] suositusten toteuttamiseen

Tunnen [Näyttöön pohjautuvan toimintamallin] ja osaan käyttää sitä, mutta työyhteisön paine estää minua toimimasta sen mukaisesti.

Tunnen [Näyttöön pohjautuvan toimintamallin] ja osaan käyttää sitä, mutta työyhteisön vallitsevien tapojen muuttaminen on liian työlästä

Tunnen [Näyttöön pohjautuvan toimintamallin] ja osaan käyttää sitä, mutta se vaatii liikaa kognitiivista ponnistelua suhteessa annettuun työaikaan

Jaksan pitää uudesta työtavasta kiinni silloinkin, kun olen väsynyt

Jaksan pitää uudesta työtavasta kiinni vielä kolmen kuukauden päästä

Mielestäni [Näyttöön pohjautuva toimintamalli] on paras tapa toimia

Mielestäni [Näyttöön pohjautuva toimintamalli] on parempi tapa edetä kuin aikaisempi toimintamalli

Koen, että [Näyttöön pohjautuvalla toimintamallilla] saavutetaan tavoitellut tulokset

Uskon [Näyttöön pohjautuvan toimintamallin] olevan hyödyllisin vaihtoehto osallistujalle

Uskon [Näyttöön pohjautuvan toimintamallin] olevan hyödyllisin vaihtoehto minulle

Koen myönteisiä tunteita (esimerkiksi rauhallisuus, optimismi, mukavuus), kun työskentelen [Näyttöön pohjautuvassa toimintamallissa].

Tunnen tekeväni merkityksellistä työtä toteuttaessani [Näyttöön pohjautuvaa toimintamallia]

Koen kielteisiä tunteita (esim. hermostuneisuus, ärtyneisyys, epämukavuus), kun työskentelen [Näyttöön pohjautuvassa toimintamallissa]

Kun työskentelen [Näyttöön pohjautuva toimintamallin] periaatteiden mukaisesti, koen että en voi hyödyntää aikaisempaa osaamistani

SUPPLEMENTARY DIGITAL MATERIAL 2

Supplementary Table II.—Results for Round 1 and Round 2.

	Original DIBQ item	Modified DIBQ item		Round sults n			ound		Rational e				ound	1 2 sion	Synthesis statement
		The refined wording for	Me	SD	%	In	Ex	R		Me	S	%	In	Ex	
	PA = Physical	multiprofessional purpose	an		of	cl	cl	ev		an	D	of	cl	cl	
	Activity	is written in <i>cursive</i> .			agr			is				agr			
	PT =				ee			ed				ee			
	Physiotherapist	The highlighted items			me							me			
	PHC = Primary	reached consensus (≥75%)			nt							nt			
	health care	to include in the final													
		DIBQ-mp.													
D1 K	NOWLEDGE													I	l
D1.	I know how to	I know how to deliver	4.4	0.5	100	X									
1	deliver [PA	[guideline-based	4	1											
	intervention]	intervention/procedure].													
	following the														
	guidelines.														

D1.	Objectives of [PA	Objectives of [guideline-	4.2	0.6	88	X							
2	intervention] and	based		4									
	my role in this are	intervention/procedure]											
	clearly defined	and my role in this are											
	for me.	clearly defined for me.											
D1.	With regard to	With regard to [guideline-	4.0	0.6	84	Х							Excluded in the
3	[PA intervention],	based	8	4									synthesis,
	I know what my	intervention/procedure], I											overlaps 1.2
	responsibilities	know what my											
	are	responsibilities are											
D1.	In my work with	In my work with	4	0.7	72		X						
4	[PA intervention],	[guideline-based		6									
	I know exactly	intervention/procedure], I											
	what is expected	know exactly what is											
	from me.	expected from me.											
D2 SI	KILLS				I	ı		ı	ı		I		
D2.	I have been	I have been trained in	3.7	1.0	72		X						Included in the
1	trained in	delivering [guideline-	2	2									synthesis based
	delivering [PA	based											on importance
	intervention]	intervention/procedure].											for research
	following the												purpose (if the
	guidelines.												same survey for
													trained and not-

												trained
												professionals)
D2.	I have the skills to	I have the skills to deliver	4.3	0.8	88	Х						
2	deliver [PA	[guideline-based	2	0								
	intervention]	intervention/procedure].										
	following the											
	guidelines.											
D2.	I am practiced to	I am practiced to deliver	3.6	0.7	56		X					
3	deliver [PA	[guideline-based	4	6								
	intervention]	intervention/procedure]										
	following the	following the guidelines.										
	guidelines.											
D3 S	OCIAL/PROFESSI	ONAL ROLE AND IDENT	ITY			ı		1	I		I	
D3.	Delivering [PA	Delivering [guideline-	3.7	0.8	60		X					
1	intervention]	based	2	9								
	following the	intervention/procedure]										
	guidelines is part	following the guidelines is										
	of my work as a	part of my work as a										
	PT.	social- and health care										
		professional.										
D3.	As a PT, it is my	As a social- and health	3.5	0.8	60		X					
2	job to deliver [PA	care professional, it is my	6	7								
	intervention]	job to deliver [guideline-										

	following the	based											
	guidelines	intervention/procedure]											
		following the guidelines											
D3.	It is my	It is my responsibility as a	3.5	1.0	52		X						
3	responsibility as a	social- and health care	2	8									
	PT to deliver [PA	professional to deliver											
	intervention]	[guideline-based											
	following the	intervention/procedure]											
	guidelines	following the guidelines											
D4 B	ELIEFS ABOUT C	APABILITIES			l	1		1		I	I	I	
D4.	I am confident	I am confident that I can	4	0.9	80	X							
1	that I can deliver	deliver [guideline-based		1									
	[PA intervention]	intervention/procedure].											
	following the												
	guidelines.												
D4.	I am confident	I am confident that I can	3.2	1.0	40		X						
2	that I can deliver	deliver [guideline-based	8	2									
	[PA intervention]	intervention/procedure]											
	following the	following the guidelines											
	guidelines even	even when other											
	when other	professionals with whom I											
	professionals with	deliver [guideline-based											
	whom I deliver	intervention/procedure] do											

	[PA intervention]	not do this											
	do not do this												
D4.	I am confident	I am confident that I can	3.6	1.0	64		X	Revised	3.6	1.	67	X	
3	that I can deliver	deliver [guideline-based		4				with	2	20			
	[PA intervention]	intervention/procedure]						rewordin					
	following the	following the guidelines						g of					
	guidelines even	even when there is little						Finnish					
	when there is	time.						translatio					
	little time.							n					
D4.	I am confident	I am confident that I can	3.2	1.1	44	X							
4	that I can deliver	deliver [guideline-based		2									
	[PA intervention]	intervention/procedure]											
	following the	following the guidelines											
	guidelines even	even when											
	when participants	patients/clients/rehabilitee											
	are not motivated.	s/participants are not											
		motivated.											
D4.	I have control	I have control over	3.8	1.0	76	X							
5	over delivering	delivering [guideline-	4	3									
	[PA intervention]	based											
	following the	intervention/procedure]											
	guidelines	following the guidelines											
D4.	For me,	For me, delivering	4.0	0.9	72	X							Included in the

6	delivering [PA	[guideline-based	4	8									synthesis,
	intervention]	intervention/procedure] is											important in
	following the	(very difficult – very											considering the
	guidelines is	easy).											need of support,
	(very difficult –												training,
	very easy).												mentoring.
D4.	For me,	For me, performing the	3.2	1.0	44	X							
7	performing the	intake is (very difficult –	4	9									
	intake is (very	very easy).											
	difficult – very												
	easy).												
D4.	For me,	For me, delivering the	3.3	1.0	4	X							
8	delivering the	training program is (very	2	7									
	training program	difficult – very easy).											
	is (very difficult –												
	very easy).												
D4.	For me,	For me, performing the	3.8	0.7	76		X	Revised	3.8	1.	52	X	
9	performing the	evaluation related to	8	3				with	6	01			
	evaluation is	[guideline-based						rewordin					
	(very difficult –	intervention/procedure] is						g					
	very easy).	(very difficult – very											
		easy).											
D4.	For me, giving	For me, giving attention to	3.4	1	48	X							

10	attention to	participant's maintenance												
	participant's	of behaviors outside												
	maintenance of	[guideline-based												
	PA behavior	intervention/procedure] is												
	outside [PA	(very difficult – very easy)												
	intervention] is													
	(very difficult –													
	very easy)													
D4.	For me, reporting	For me, interpreting the	3.6	0.9	60			Х	Revised	3.7	0.	56	X	
11	about the [PA	results, making	8	9					with	1	96			
	intervention] to	conclusions and reporting							rewordin					
	the referring	about the [guideline-based							g					
	professional is	intervention/procedure] to												
	(very difficult –	others is (very difficult –												
	very easy).	very easy).												
D5 O	PTIMISM	L		l	ı	l		I			I	l		
D5.	In my work as a	In my work as a social	2.8	0.9	24		X							
1	PT, in uncertain	and health care		6										
	times, I usually	professional, in uncertain												
	expect the best.	times, I usually expect the												
		best.												
D5.	In my work as a	In my work as a social	3.2	1.0	48		X							
2	PT, I'm always	and health care		4										

	optimistic about	professional, I'm always												
	the future.	optimistic about the future.												
D5.	In my work as a	In my work as a social	3.4	1.0	60	X								
3	PT, overall, I	and health care	8	5										
	expect more good	professional, overall, I												
	things to happen	expect more good things to												
	than bad.	happen than bad.												
D6 B	ELIEFS ABOUT C	ONSEQUENCES	I				1							
D6.	For me,	For me, delivering	3.9	1.0	72		X	Revised	4.6	0.	10	X		
1	delivering [PA	[guideline-based	2	4				with	2	50	0			
	intervention]	intervention/procedure] is						rewordin						
	following the	(not useful at all – very						g of						
	guidelines is (not	useful).						Finnish						
	useful at all –							translatio						
	very useful).							n						
D6.	For me,	For me, delivering	mi	mis	mis		Х	Revised	3	1.	43		X	
2	delivering [PA	[guideline-based	ssi	sin	sin			due to		22				
	intervention]	intervention/procedure]	ng	g	g			missing						
	following the	following the guidelines is	dat	dat	dat			data from						
	guidelines is (not	(not worthwhile at all –	a	a	a			Round 1						
	worthwhile at all	very worthwhile).												
	– very													
	worthwhile).													

D6.	For me,	For me, delivering	3.8	1.0	64		X	Revised	3.5	1.	62	X	
3	delivering [PA	[guideline-based		8				with	7	08			
	intervention]	intervention/procedure]						rewordin					
	following the	following the guidelines is						g of					
	guidelines is (not	(not pleasurable at all –						Finnish					
	pleasurable at all	very pleasurable).						translatio					
	– very							n					
	pleasurable).												
D6.	For me,	For me, delivering	3.5	1.1	56		X	Revised	2.9	1.	29	X	
4	delivering [PA	[guideline-based	2	2				with	5	16			
	intervention]	intervention/procedure]						rewordin					
	following the	following the guidelines is						g of					
	guidelines is (not	(not interesting at all –						Finnish					
	interesting at all –	very interesting).						translatio					
	very interesting).							n					
D6.	If I deliver [PA	If I deliver [guideline-	3.6	1.2	56		X	Revised	3.3	1.	38	X	
5	intervention]	based		2				with	8	16			
	following the	intervention/procedure]						rewordin					
	guidelines, [PA	following the guidelines,						g of					
	intervention] will	[guideline-based						Finnish					
	be most effective.	intervention/procedure]						translatio					
		will be most effective.						n					
D6.	If I deliver [PA	If I deliver [guideline-	3.3	1.0	44		X	Revised	3	0.	24	X	

6	intervention]	based	2	7				with		95			
	following the	intervention/procedure]						rewordin					
	guidelines,	following the guidelines,						g of					
	participants will	patients/clients/rehabilitee						Finnish					
	appreciate this.	s/participants will						translatio					
		appreciate this.						n					
D6.	If I deliver [PA	If I deliver [guideline-	3.7	1.0	76		X	Revised	3.5	1.	67	X	Included in the
7	intervention]	based	6	1				with	7	12			synthesis based
	following the	intervention/procedure]						rewordin					on the purpose
	guidelines, this	following the guidelines,						g of					of
	will strengthen	this will strengthen the						Finnish					multiprofession
	the collaboration	collaboration with						translatio					al
	with professionals	professionals with whom I						n					implementation
	with whom I	deliver [guideline-based											use
	deliver [PA	intervention/procedure].											
	intervention].												
D6.	If I deliver [PA	If I deliver [guideline-	3.7	0.9	64		Х	Revised	3.0	1.	28	X	
8	intervention]	based	2	8				with	5	17			
	following the	intervention/procedure]						rewordin					
	guidelines, I will	following the guidelines, I						g of					
	feel satisfied.	will feel satisfied.						Finnish					
								translatio					
								n					

D6.	If I deliver [PA	If I deliver [guideline-	3.4	1.0	48		X	Revised	3.3	0.	43	X	
9	intervention]	based	8	0				with	8	97			
	following the	intervention/procedure]						rewordin					
	guidelines, it will	following the guidelines, it						g					
	help participants	will help participants to be											
	to be more	more active in their daily											
	physically active.	living.											
D6.	When I deliver	When I deliver [guideline-	2.7	1.0	24	X							
10	[PA intervention]	based	2	6									
	following the	intervention/procedure]											
	guidelines, I get	following the guidelines, I											
	financial	get financial											
	reimbursement.	reimbursement.											
D6.	When I deliver	When I deliver [guideline-	3.5	0.9	52		Х	Revised	3.1	1.	28	X	
11	[PA intervention]	based	2	2				with	9	03			
	following the	intervention/procedure]						rewordin					
	guidelines, I get	following the guidelines, I						g of					
	recognition from	get recognition from the						Finnish					
	the work context.	work context.						translatio					
								n					
D6.	When I deliver	When I deliver [guideline-	3.2	0.8	36		Х	Revised	3.1	1.	38	X	
12	[PA intervention]	based		7				with	4	01			
	following the	intervention/procedure]						rewordin					

	guidelines, I get	following the guidelines, I						g of			
	recognition from	get recognition from						Finnish			
	participants.	participants.						translatio			
								n			
D7 IN	TENTIONS		I					<u> </u>	I		
D7.	I intend to deliver	I intend to deliver	3.7	1.0	64		X				
1	[PA intervention]	[guideline-based	2	6							
	following the	intervention/procedure]									
	guidelines in the	the guidelines in the next									
	next three	three months.									
	months.										
D7.	I will definitely	I will definitely deliver	3.2	1.0	32		X				
2	deliver [PA	[guideline-based		8							
	intervention]	intervention/procedure]									
	following the	following the guidelines in									
	guidelines in the	the next three months.									
	next three										
	months.										
D7.	How strong is	How strong is your	3.9	1.1	76	X		Included			
3	your intention to	intention to deliver	6	0				based on			
	deliver [PA	[guideline-based						favourabl			
	intervention]	intervention/procedure] in						e			
	following the	the next three months?						qualitativ			

	guidelines in the								e					
	next three								comment					
	months?								S					
D8 G	OALS	L												
D8.	How often is	How often is working on	3.7	1.1	68		X							
1	working on	something else on your	6	3										
	something else on	agenda a higher priority												
	your agenda a	than delivering [guideline-												
	higher priority	based												
	than delivering	intervention/procedure]												
	[PA intervention]	following the guidelines?												
	following the													
	guidelines?													
D8.	How often is	How often is working on	3.3	1.1	52		X							
2	working on	something else on your	6	9										
	something else on	agenda more urgent than												
	your agenda more	delivering [guideline-												
	urgent than	based												
	delivering [PA	intervention/procedure]												
	intervention]	following the guidelines?												
	following the													
	guidelines?													
D9 IN	NOVATION	1	ı	Г	1	ı	1	ı	l	ı	Î	I	î	

D9.	It is possible to	It is possible to tailor	4.3	0.9	80	X								
1	tailor [PA	[guideline-based	2	9										
	intervention] to	intervention/procedure] to												
	participants'	patients'/clients'/rehabilite												
	needs?	es'/participants' needs?												
D9.	It is possible to	It is possible to tailor	3.6	0.9	52		X							
2	tailor [PA	[guideline-based	4	1										
	intervention] to	intervention/procedure] to												
	professionals'	professionals' needs?												
	needs?													
D9.	[PA intervention]	[Guideline-based	3.2	1.1	52		X							
3	costs little time to	intervention/procedure]	8	4										
	deliver.	costs little time to deliver.												
D9.	[PA intervention]	[Guideline-based	4.1	0.9	84	X								
4	is compatible	intervention/procedure] is	6	0										
	with daily	compatible with daily												
	practice.	practice.												
D9.	[PA intervention]	[Guideline-based	3.8	1.0	68		Х							
5	is simple to	intervention/procedure] is	4	7										
	deliver.	simple to deliver.												
D10 S	SOCIO-POLITICA	L CONTEXT	ı	1	1	<u>I</u>	ı	1	I	1	Ī	ı	ı	
D10	Government and	National, regional and	3.6	0.9	56			X	Revised	3.8	0.	62	X	
.1	local authorities	local decision-makers on	8						with	1	98			

	provide sufficient	services and benefits							rewordin					
	support to	provide sufficient support							g					
	interventions such	to interventions such as												
	as [PA	[guideline-based												
	intervention].	intervention/procedure].												
D10	Insurance	The social insurance	3.1	0.8	28			X	Revised	3.3	0.	48	X	
.2	companies	system provides sufficient	2	8					with	8	92			
	provide sufficient	support to interventions							rewordin					
	support to	such as [guideline-based							g					
	interventions such	intervention/procedure].												
	as [PA													
	intervention].													
D10	PHC is	In order to have sufficient	3.5	1.0	48		X							
.3	sufficiently	resources, primary health	2	0										
	oriented towards	care should be more												
	prevention	oriented towards												
		prevention.												
D11 (ORGANIZATION				1				I					
D11	In the	In the organization I work,	4.2	0.8	80	X								
.1	organization I	all necessary resources are		7										
	work, all	available to deliver												
	necessary	[guideline-based												
	resources are	intervention/procedure].												

	available to										
	deliver [PA										
	intervention].										
D11	I can count on	I can count on support	4.5	0.5	100	X					
.2	support from the	from the management of	6	1							
	management of	the organization I work in,									
	the organization I	when things get tough									
	work in, when	around delivering									
	things get tough	[guideline-based									
	around delivering	intervention/procedure].									
	[PA intervention]										
	following the										
	guidelines.										
D11	The management	The management of the	3.9	0.9	80		X				
.3	of the	organization I work in is	6	8							
	organization I	willing to listen to my									
	work in is willing	problems with delivering									
	to listen to my	[guideline-based									
	problems with	intervention/procedure]									
	delivering [PA	following the guidelines.									
	intervention]										
	following the										
	guidelines.										

D11	The management	The management of the	3.6		52			X	Revised	4.2	0.	86	X		Excluded in the
.4	of the	organization I work in is							with	4	94				synthesis
	organization I	supportive and willing to							rewordin						because
	work in is helpful	provide solutions with							g						overlaps with
	with delivering	delivering [guideline-													11.2
	[PA intervention]	based													
	following the	intervention/procedure]													
	guidelines.	following the guidelines.													
D12 I	PATIENT	ı	l	l	1	1	1	1	1	1	l	I	l		1
D12	Participants of	Patients/Clients/Rehabilite	3.5	1.1	56			X	Revised	3.9	1.	67		X	Included in the
.1	[PA intervention]	es/Participants consider	6	6					with	0	00				synthesis, client
	are motivated.	participation [guideline-							rewordin						perspective
		based							g						important to
		intervention/procedure]													include
		meaningful													
D12	Participants of	Patients/Clients/Rehabilite	4.1	0.8	88	Х									
.2	[PA intervention]	es/Participants of	6	5											
	are positive about	[guideline-based													
	[PA intervention].	intervention/procedure]													
		are positive about													
		[guideline-based													
	intervention/procedure].														
D13 I	NNOVATION STR	RATEGY													

D13	[Implementing	[Implementing	4.2	0.8	84	X							
.1	organization]	organization] provides		2									
	provides	professionals with a											
	professionals with	training to deliver											
	a training to	[guideline-based											
	deliver [PA	intervention/procedure].											
	intervention].												
D13	[Implementing	[Implementing	3.3	0.9	48		х	Revised	3.4	0.	52	X	
.2	organization]	organization] provides the	6	9				with	8	75			
	provides the	possibility to experience						rewordin					
	possibility to	delivering [guideline-						g of					
	experience	based						Finnish					
	delivering [PA	intervention/procedure]						translatio					
	intervention]	before professionals need						n					
	before	to commit to it.											
	professionals												
	need to commit to												
	it.												
D13	[Implementing	[Implementing	3.8	0.9	76	X							
.3	organization]	organization] provides	8	7									
	provides	sufficient intervention											
	sufficient	materials.											
	intervention												

	materials.													
D13	[Implementing	[Implementing	4.1	0.9	88	X								
.4	organization]	organization] provides	6	9										
	provides	assistance to professionals												
	assistance to	with delivering [guideline-												
	professionals with	based												
	delivering [PA	intervention/procedure].												
	intervention].													
D13	[Implementing	[Implementing	3.4	1.0	52		X							
.5	organization]	organization] organizes		4										
	organizes	intervision meetings for												
	intervision	professionals.												
	meetings for													
	professionals.													
D13	[Implementing	[Implementing	3	0.9	16			Х	Revised	3.1	1.	38	X	
.6	organization]	organization] provides		13					with	4	06			
	provides	sufficient financial							rewordin					
	sufficient	reimbursement to							g of					
	financial	professionals for							Finnish					
	reimbursement to	[guideline-based							translatio					
	professionals for	intervention/procedure]							n					
	[PA intervention]	delivery												
	delivery													

D13	[Implementing	[Implementing	3.7	1.0	64		X	Revised	3.8	0.	67	X	
.7	organization]	organization] provides	2	6				with	1	81			
	provides insights	insights into results of						rewordin					
	into results of [PA	[guideline-based						g of					
	intervention].	intervention/procedure].						Finnish					
								translatio					
								n					
D14 S	SOCIAL INFLUEN	CES											
D14	Most people who	Most people who are	2.7	1.1	24	X							
.1	are important to	important to me think that	6	65									
	me think that I	I should deliver											
	should deliver	[guideline-based											
	[PA intervention]	intervention/procedure]											
	following the	following the guidelines.											
	guidelines.												
D14	Professionals with	Professionals with whom I	3.6	1.0	68	X							
.2	whom I deliver	deliver [guideline-based	4	8									
	[PA intervention]	intervention/procedure]											
	think I should	think I should deliver											
	deliver [PA]	[guideline-based											
	intervention]	intervention/procedure]											
	following the	following the guidelines											
	guidelines												

D14	Professionals with	Professionals with whom I	4	0.9	80	X					
.3	whom I deliver	[guideline-based		1							
	[PA intervention]	intervention/procedure]									
	deliver [PA]	deliver [guideline-based									
	intervention	intervention/procedure]									
	following the	following the guidelines.									
	guidelines.										
D14	Other	Other professionals who	3.6	0.9	64		X				
.4	professionals who	work with [guideline-	8	5							
	work with [PA	based									
	intervention]	intervention/procedure]									
	deliver [PA	deliver [guideline-based									
	intervention]	intervention/procedure]									
	following the	following the guidelines									
	guidelines										
D14	I can count on	I can count on support	4.1	0.8	88	X					
.5	support from	from professionals with	2	8							
	professionals with	whom I deliver [guideline-									
	whom I deliver	based									
	[PA intervention]	intervention/procedure]									
	when things get	when things get tough									
	tough around	around delivering									
	delivering [PA	[guideline-based									

	intervention]	intervention/procedure].											
	following the												
	guidelines.												
D14	Professionals with	Professionals with whom I	3.6	1.1	64	X							
.6	whom I deliver	deliver [guideline-based	4	1									
	[PA intervention]	intervention/procedure]											
	are willing to	are willing to listen to my											
	listen to my	problems with delivering											
	problems with	[guideline-based											
	delivering [PA	intervention/procedure]											
	intervention]	following the guidelines.											
	following the												
	guidelines.												
D14	Professionals with	Professionals with whom I	3.6	1.1	60		X	Revised	4.1	0.	81	X	Excluded in the
.7	whom I deliver	deliver [guideline-based	4	1				with	0	83			synthesis
	[PA intervention]	intervention/procedure]						rewordin					because
	are helpful with	are supportive and willing						g					overlaps with
	delivering [PA	to provide solutions with											14.5
	intervention]	delivering [guideline-											
	following the	based											
	guidelines.	intervention/procedure]											
		following the guidelines.											
D15 I	POSITIVE EMOTION	ONS						1		1			

D15	When I work with	When I work with	3.3	1.0	44	X							
.1	[PA intervention]	[guideline-based	2	3									
	I feel optimistic.	intervention/procedure] I											
		feel optimistic.											
D15	When I work with	When I work with	3.2	1.1	40		Х	Revised	2.9	0.	24	X	
.2	[PA intervention]	[guideline-based		5				with	0	94			
	I feel	intervention/procedure] I						rewordin					
	comfortable.	feel comfortable.						g of					
								Finnish					
								translatio					
								n					
D15	When I work with	When I work with	3.3	0.9	40	X							
.3	[PA intervention]	[guideline-based	2	9									
	I feel calm.	intervention/procedure] I											
		feel calm.											
D15	When I work with	When I work with	2.7	1.0	16	X							
.4	[PA intervention]	[guideline-based	6	1									
	I feel relaxed.	intervention/procedure] I											
		feel relaxed.											
D15	When I work with	When I work with	2.8	0.9	20	X							
.5	[PA intervention]	[guideline-based	4	4									
	I feel cheerful.	intervention/procedure] I											
		feel cheerful.											

D15	When I work with	When I work with	2.4	1.0	8	X					
.6	[PA intervention]	[guideline-based		8							
	I feel elated.	intervention/procedure] I									
		feel elated.									
D16 N	NEGATIVE EMOT	IONS					I				
D16	When I work with	When I work with	3.2	1.1	44	X					
.1	[PA intervention]	[guideline-based		5							
	I feel nervous.	intervention/procedure] I									
		feel nervous.									
D16	When I work with	When I work with	2.8	1.0	42	X					
.2	[PA intervention]	[guideline-based		8							
	I feel pessimistic.	intervention/procedure] I									
		feel pessimistic.									
D16	When I work with	When I work with	2.5	1.0	16	X					
.3	[PA intervention]	[guideline-based	2	5							
	I feel depressed.	intervention/procedure] I									
		feel depressed.									
D16	When I work with	When I work with	2.7	1.0	20	X					
.4	[PA intervention]	[guideline-based	6	1							
	I feel agitated.	intervention/procedure] I									
		feel agitated.									
D16	When I work with	When I work with	2.3	1.0	8	X					
.5	[PA intervention]	[guideline-based	6	4							

	I feel sad	intervention/procedure] I												
		feel sad												
D16	When I work with	When I work with	3.4	1.1	48			X	Revised	3.1	1.	38	X	
.6	[PA intervention]	[guideline-based		9					with	9	03			
	I feel	intervention/procedure] I							rewordin					
	uncomfortable.	feel uncomfortable.							g of					
									Finnish					
									translatio					
									n					
D17 I	BEHAVIORAL RE	GULATION		ı	1						ı			
D17	I have a clear plan	I have a clear plan of how	4.2	0.6	92	X								
.1	of how I will	I will deliver [guideline-	8	1										
	deliver [PA	based												
	intervention]	intervention/procedure].												
	following the													
	guidelines.													
D17	I have a clear plan	I have a clear plan under	3.6	1.0	60		X							
.2	under what	what circumstances I will	4	4										
	circumstances I	deliver [guideline-based												
	will deliver [PA	intervention/procedure].												
	intervention]													
	following the													
	guidelines.													

D17	I have a clear plan	I have a clear plan when I	3.3	1.1	52	X							
.3	when I will	will deliver [guideline-	2	8									
	deliver [PA	based											
	intervention]	intervention/procedure].											
	following the												
	guidelines.												
D17	I have a clear plan	I have a clear plan with	3.3	1.1	56	X							
.4	with regard to	regard to delivering	6	5									
	delivering [PA	[guideline-based											
	intervention]	intervention/procedure]											
	following the	following the guidelines											
	guidelines when	when											
	participants are	patients/clients/rehabilitee											
	not motivated.	s/participants are not											
		motivated.											
D17	I have a clear plan	I have a clear plan with	3.6	1.0	64		X	Revised	3.5	0.	52	X	
.5	with regard to	regard to delivering	4	8				with	7	98			
	delivering [PA	[guideline-based						rewordin					
	intervention]	intervention/procedure]						g of					
	following the	following the guidelines						Finnish					
	guidelines when	when there is little time.						translatio					
	there is little time.							n					
D17	I have a clear plan	I have a clear plan with	3.4	1.0	52		X	Revised	3.5	0.	52	X	

.6	with regard to	regard to delivering	4	0				with	7	98				
	delivering [PA	[guideline-based						rewordin						
	intervention]	intervention/procedure]						g of						
	following the	following the guidelines						Finnish						
	guidelines when	when other professionals						translatio						
	other	with whom I deliver						n						
	professionals with	[guideline-based												
	whom I deliver	intervention/procedure] do												
	[PA intervention]	not do this												
	do not do this													
D18 N	NATURE OF THE	BEHAVIORS			ı	1						I		
D18	Delivering [PA	Delivering [guideline-	3.6	0.9	60		X	Revised	3.7	0.	52		X	
.1	intervention]	based intervention/	4	9				with	1	90				
	following the	procedure] following the						rewordin						
	guidelines is	guidelines is something I						g						
	something I do	do naturally.												
	automatically.													
D18	Delivering [PA	Delivering [guideline-	3.6	1	60		X	Revised	3.6	0.	48		X	
.2	intervention]	based						with	2	86				
	following the	intervention/procedure]						rewordin						
	guidelines is	following the guidelines is						g of						
	something I do	something I do without						Finnish						
	without having to	having to consciously						translatio						

	consciously	remember.					n			
	remember.									
D18	Delivering [PA	Delivering [guideline-	2.6	1.1	24	X				
.3	intervention]	based	4	1						
	following the	intervention/procedure]								
	guidelines is	following the guidelines is								
	something I do	something I do without								
	without thinking.	thinking.								
D18	Delivering [PA	Delivering [guideline-	2.8	1.0	20	X				
.4	intervention]	based	4	8						
	following the	intervention/procedure]								
	guidelines is	following the guidelines is								
	something I start	something I start doing								
	doing before I	before I realize I am doing								
	realize I am doing	it.								
	it									
D18	Delivering [PA	Delivering [guideline-	3.1	1.1	36	X				
.5	intervention]	based	2	3						
	following the	intervention/procedure]								
	guidelines is	following the guidelines is								
	something I	something I seldom forget.								
	seldom forget									
D18	Delivering [PA	Delivering [guideline-	2.8	0.9	24	X				

.6	intervention]	based	8	3									
	following the	intervention/procedure]											
	guidelines is	following the guidelines is											
	something I often	something I often forget.											
	forget.												
NEW	ITEMS SUGGEST	TED BY DELPHI PARTICI	PAN'	ΓS	I				ı		I		
	New item	I am familiar with the						3.7	1.	57		X	
		[guideline-based						1	06				
		intervention/procedure]											
		approach, but I do not											
		know how to implement it											
	New item	My employer may not						3.2	1.	38		X	
		oblige me to act according						4	14				
		the [guideline-based											
		intervention/procedure]											
		recommendations, but I											
		see it as the only											
		responsible way											
	New item	My employer obliges me						3.3	1.	47		X	
		to according to the						3	15				
		[guideline-based											
		intervention/procedure]											
		recommendations, but I											

	believe it would be more							
	responsible to act							
	differently							
New item	I would feel like I was			3.1	1.	38	X	
	acting irresponsibly if I did			4	01			
	not act in accordance with							
	the recommendations of							
	the [guideline-based							
	intervention/procedure]							
New item	I am confident that I will			3.3	0.	43	X	
	be able to act on the			8	97			
	recommendations of the							
	[guideline-based							
	intervention/procedure]							
	even if other professionals							
	involved in the [guideline-							
	based							
	intervention/procedure] do							
	not							
New item	I need the support of			3.9	0.	76	X	
	others to implement the			0	77			
	[guideline-based							
	intervention/procedure]							

	recommendations							
New item	I know the [guideline-			3.6	1.	52	X	
	based			2	12			
	intervention/procedure]							
	approach and I know how							
	to use it, but the pressure							
	from the work community							
	prevents me from acting							
	on it							
New item	I am familiar with the			3.9	0.	71	X	
	[guideline-based			5	86			
	intervention/procedure]							
	approach and can use it,							
	but changing the							
	prevailing ways in the							
	work community is too							
	laborious							
New item	I am familiar with the			3.5	1.	48	X	
	[guideline-based			2	21			
	intervention/procedure]							
	approach and can use it,							
	but it requires too much							
	cognitive effort in relation							

	to the working time given							
New item	I can maintain a new way			3.4	0.	48	X	
	of working even when I'm			3	98			
	tired							
New item	I will be able to work			3.4	1.	57	X	
	according to [guideline-			8	03			
	based							
	intervention/procedure]							
	recommendations for							
	another three months							
New item	In my mind, [guideline-			3.6	0.	62	X	
	based			2	92			
	intervention/procedure] is							
	the best way to act							
New item	In my mind, the			3.8	1.	67	X	
	[guideline-based			1	12			
	intervention/procedure] is							
	a better way forward than							
	the previous approach							
New item	I believe that [guideline-			3.9	0.	71	X	
	based			5	86			
	intervention/procedure] is							
	achieving results							

New item	I believe [guideline-based			3.8	0.	62		X	
	intervention/procedure] is			1	98				
	the most useful option for								
	the participant								
New item	I believe [guideline-based			3.2	1.	38		X	
	intervention/procedure] is			4	04				
	the most useful option for								
	me								
New item	When I work with			3.3	1.	48		X	
	[guideline-based			8	07				
	intervention/procedure], I								
	experience positive								
	emotions (e.g., calmness,								
	optimism, comfort).								
New item	I believe that I am doing			4.1	0.	76	X		Excluded in the
	relevant work in delivering			4	85				synthesis
	[guideline-based								because new
	intervention/procedure]								item does not
									have a TDF
									classification
New item	When I work with			3.4	1.	52		X	
	[guideline-based			8	12				
	intervention/procedure], I								

	ESSMENT FOR FINNISH MUI		7	8								
		TOTAL	1	4	28					4	44	
	of my previous knowledge											
	feel that I cannot make use											
	intervention/procedure], I											
	based											
	the principles [guideline-						6	91				
New item	When I work according to						3.8	0.	71		X	
	discomfort).											
	nervousness, irritability,											
	emotions (e.g.											
	experience negative											

	Round 1 n	Drop-outs	
		ratings	Round 2 n (%)
	(%)	n (%)	
'Suitable'	17 (68%)	2 (50%)	16 (76%)
'Not suitable'	1 (4%)	0 (0%)	0 (0%)
'Can not say'	7 (28%)	2 (50%)	5 (24%)

SD = Standard Deviation, Incl = Included, Excl = Excluded

SUPPLEMENTARY DIGITAL MATERIAL 3

Supplementary Table III.—Results for Round 1 and Round 2 DIBQ-mp.

Original DIBQ item		Modified DIBQ item	Round 1 results N.=25			Round 1 conclusion			Ratio nale	Round 2 Results N.=21		Round 2 conclusion			Synthesis statement
PA = Physical Activity		The refined wording for multiprofessional purpose is written in <i>cursive</i> .	M ea n	S D	% of ag re e m en t	In cl	Ex cl	Re vi se d		M ea n	S D	% of ag re e m en t	In cl	Ex cl	
D1 K	NOWLEDGE														
D1. 1 D1. 2	I know how to deliver [PA intervention] following the guidelines. Objectives of [PA intervention] and my role in this are clearly defined for me.	I know how to deliver [guideline- based intervention/proce dure]. Objectives of [guideline-based intervention/proce dure] and my role in this are clearly defined for me.	4. 44	0. 51 0. 64	88	X									
D2 S	KILLS		1				I			l	<u> </u>	ı	ı	l	
D2.	I have been trained in delivering [PA intervention] following the guidelines.	I have been trained in delivering [guideline-based intervention/proce dure].	3. 72	1. 02	72		x								Included in the synthesis based on importance for research purpose (if the same survey used for trained and not-trained professionals)

D2.	I have the skills	I have the skills to	4.	0.	88	Х									
2	to deliver [PA	deliver [guideline-	32	80											
	intervention]	based	32												
	following the	intervention/proce													
	guidelines.	dure].													
	guidennes.	aurej.													
D4 B	ELIEFS ABOUT C	CAPABILITIES	I				•	ı						ı	1
D4.	I am confident	I am confident	4	0.	80	X									
1	that I can deliver	that I can deliver		91											
	[PA intervention]	[guideline-based													
	following the	intervention/proce													
	guidelines.	dure].													
D4.	For me,	For me, delivering	4.	0.	72		X								Included in the
6	delivering [PA	[guideline-based	04	98											synthesis,
	intervention]	intervention/proce													important in
	following the	dure] is (very													considering the
	guidelines is	difficult – very													need of
	(very difficult –	easy).													support,
	very easy).														training,
															mentoring.
D6 B	ELIEFS ABOUT C	CONSEQUENCES													
D6.	For me,	For me, delivering	3.	1.	7			X	Revise	4.	0.	10	X		
1	delivering [PA	[guideline-based	9	0	2				d with	62	50	0			
	intervention]	intervention/procedu	2	4					rewor						
	following the	re] is (not useful at							ding						
	guidelines is	all – very useful).							of						
	(not useful at all								Finnis						
	– very useful).								h						
									transla						
									tion						
D6.	If I deliver [PA	If I deliver	3.	1.	7			X	Revise	3.	1.	67		х	Included in the
7	intervention]	[guideline-based	7	0	6				d with	57	12				synthesis based
	following the	intervention/procedu	6	1					rewor						on the purpose
	guidelines, this	re] following the							ding						of
	will strengthen	guidelines, this will							of						multiprofessio
	the	strengthen the							Finnis						nal
	collaboration	collaboration with							h						implementatio
	with	professionals with							transla						n use
1	with	1				1	1	1	l .	1	1	1	1	1	i .
	professionals	whom I deliver							tion						
		-							tion						
	professionals	whom I deliver	,						tion						
	professionals with whom I	whom I deliver [guideline-based							tion						

D7 IN	NTENTIONS												
D7.	How strong is your intention to deliver [PA intervention] following the guidelines in	How strong is your intention to deliver [guideline-based intervention/procedu re] in the next three months?	3. 9 6	1. 1 0	7 6	X			Includ ed based on favour able				
	the next three months?								qualita tive comm ents				
D9 IN	NOVATION				ı		I	I		I		1	
D9.	It is possible to tailor [PA intervention] to participants' needs?	It is possible to tailor [guideline-based intervention/procedu re] to patients'/clients'/reh abilitees'/participant s' needs?	4. 3 2	0. 9 9	8 0	x							
D9.	[PA intervention] is compatible with daily practice.	[Guideline-based intervention/procedu re] is compatible with daily practice.	4. 1 6	0. 9 0	8 4	X							
D11 (ORGANIZATION												
D11 .1	In the organization I work, all necessary resources are available to deliver [PA intervention].	In the organization I work, all necessary resources are available to deliver [guideline-based intervention/procedu re].	4. 2	0. 8 7	8 0	x							
D11 .2	I can count on support from the management of the organization I work in, when things get tough around delivering [PA intervention]	I can count on support from the management of the organization I work in, when things get tough around delivering [guideline-based	4. 5 6	0. 5 1	1 0 0	x							

	following the	intervention/procedu													
	guidelines.	re].													
D12 B	PATIENT														
D12 F	ATIENT														
D12	Participants of	Patients/Clients/Reh	3.	1.	5			X	Revise	3.	1.	67		X	Included in the
.1	[PA	abilitees/Participant	5	1	6				d with	90	00				synthesis,
	intervention]	s consider	6	6					rewor						client
	are motivated.	participation							ding						perspective
		[guideline-based													important to
		intervention/procedu													include
		re] meaningful													
D12	Participants of	Patients/Clients/Reh	4.	0.	8	X									
.2	[PA	abilitees/Participant	1	8	8										
	intervention]	s of [guideline-based	6	5											
	are positive	intervention/procedu													
	about [PA	re] are positive													
	intervention].	about [guideline-													
		based													
		intervention/procedu													
		re].													
D13 I	 NNOVATION ST	 RATEGY												<u> </u>	
D13	[Implementing	[Implementing	4.	0.	8	X									
.1	organization]	organization]	2	8	4										
	provides	provides		2											
	professionals	professionals with a													
	with a training	training to deliver													
	to deliver [PA	[guideline-based													
	intervention].	intervention/procedu													
		re].													
D13	[Implementing	[Implementing	3.	0.	7	X									
.3	organization]	organization]	8	9	6										
	provides	provides sufficient	8	7											
	sufficient	intervention													
	intervention	materials.													
	materials.														
D13	[Implementing	[Implementing	4.	0.	8	X									
.4	organization]	organization]	1	9	8										
	provides	provides assistance	6	9											
	assistance to	to professionals with													
	professionals	delivering													
	with delivering	[guideline-based													
	L			<u> </u>	<u> </u>	1	1	l	<u> </u>				<u> </u>	<u> </u>	<u> </u>

	[PA	intervention/procedu													
	intervention].	re].													
	meer ventionj.	rej.													
D14 S	OCIAL INFLUEN	NCES			1		I		1	1					I
D14	Professionals	Professionals with	4	0.	8	Х									
.3	with whom I	whom I [guideline-		9	0										
	deliver [PA	based		1											
	intervention]	intervention/procedu													
	deliver [PA]	<i>re]</i> deliver													
	intervention	[guideline-based													
	following the	intervention/procedu													
	guidelines.	re] following the													
	gardennes.	guidelines.													
		guidennes.													
D14	I can count on	I can count on	4.	0.	8	Х									
.5	support from	support from	1	8	8										
	professionals	professionals with	2	8											
	with whom I	whom I deliver													
	deliver [PA	[guideline-based													
	intervention]	intervention/procedu													
	when things get	re] when things get													
	tough around	tough around													
	delivering [PA	delivering													
	intervention]	[guideline-based													
	following the	intervention/procedu													
	guidelines.	re].													
D17 B	EHAVIORAL RE	CGULATION													
D17	I have a clear	I have a clear plan of	4.	0.	9	Х									
.1	plan of how I	how I will deliver	2	6	2										
	will deliver [PA	[guideline-based	8	1											
	intervention]	intervention/procedu													
	following the	re].													
	guidelines.														
mor:						40	200			<u> </u>			_	4.4	
TOTA	L				1	48	28						4	44	
					7										
SUITA	ABILITY ASSESS	MENT FOR FINNISH	I MU	LTII	PROI	FESS	IONA	L RE	CHABILI	TATI(ON CO	ONTE	XT	1	I
							Dro	p-out	ts						
			Rot	and 1	n (%	6)		ngs n		Rou	nd 2 1	n (%)			
		'Suitable'	17 ((68%))		2 (50	0%)		16 (76%)				
	'Not suitable'			1 (4%)			0 (0	%)		0 (0	%)				
		'Can not say'	7 (2	7 (28%)			2 (50	0%)		5 (2	4%)				

SD: standard deviation; Incl: included; Excl: excluded.

SUPPLEMENTARY DIGITAL MATERIAL 4

Supplementary Table IV.—The Finnish version of the final DIBQ-mp.

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Toiminnan muutosta ohjaavat tekijät -kysely sovellettuna moniammatilliseen kuntoutuskontekstiin. Kysely kartoittaa ammattilaisten kokemuksia mm. tietoihin, taitoihin, käyttäytymiseen, asenteisiin ja toimintakulttuuriin liittyen, jotka voivat joko edistää tai estää näyttöön pohjautuvan suosituksen mukaisen hoidon toteuttamista. Kyselyn taustateorioina ovat Teoreettisten aihealueiden viitekehys (Theoretical Domains Framework) ja Käyttäytymisen muutospyörä (Behavioural Change Wheel).

Vastausvaihtoehtoina käytetään 7-portaista Likertin asteikkoa. Kussakin kohdassa käytetään tarkasteltavan suosituksen nimeä [Näyttöön pohjautuvan toimintamallin] sijaan, esimerkiksi "Tiedän, miten alaselkäkivun Käypä hoito -suosituksen mukainen hoito toteutetaan".

Osa-alue	Kysymys								
TIEDOT									
Tiedot	Tiedän, miten [Näyttöön pohjautuvaa toimintamallia] toteutetaan								
Tehtävien selkeys	[Näyttöön pohjautuvan toimintamallin] tavoitteet ja osuuteni niissä								
	on selkeästi määritelty minulle								
TAIDOT									
Taidot	Minut on koulutettu toteuttamaan [Näyttöön pohjautuvaa								
	toimintamallia]								
	Minulla on taidot toteuttaa [Näyttöön pohjautuvaa toimintamallia]								
OMIA KYKYJÄ KOS	KEVAT KÄSITYKSET								
Minäpystyvyys	Olen varma, että osaan toteuttaa [Näyttöön pohjautuvaa								
	toimintamallia]								
Koettu toteutuksen	Minulle [Näyttöön pohjautuvan toimintamallin] toteuttaminen on								
osaaminen	erittäin vaikeaa - erittäin helppoa								
KÄSITYKSET TOIMI	INNAN VAIKUTUKSISTA								
Asenne	Mielestäni [Näyttöön pohjautuvan toimintamallin] toteuttaminen								
	on (erittäin hyödytöntä - erittäin hyödyllistä)								

Tulosodotukset	Jos toteutan [Näyttöön pohjautuvaa toimintamallia] suositusten
	mukaisesti, se vahvistaa yhteistyötä [Näyttöön pohjautuvaa
	toimintamallia] toteuttavien ammattilaisten kanssa
AIKOMUKSET	
Aikomukset	Kuinka vahva on aikomuksesi toteuttaa [Näyttöön pohjautuvaa
	toimintamallia] seuraavan 3 kuukauden kuluessa (erittäin vähäinen
	– erittäin vahva)
UUSI TOIMINTAMALLI	
Uuden toimintamallin	[Näyttöön pohjautuva toimintamalli] on mahdollista räätälöidä
ominaisuudet	potilaiden/asiakkaiden/kuntoutujien/osallistujien tarpeiden
	mukaisesti
	[Näyttöön pohjautuva toimintamalli] sopii päivittäiseen
	asiakastyöhön
TYÖPAIKKA	
Työpaikan resurssit ja tuki	Työpaikallani on kaikki tarvittavat resurssit käytettävissä
	[Näyttöön pohjautuvan toimintamallin] toteuttamiseen
	Voin luottaa työpaikkani johdon tukeen, kun [Näyttöön
	pohjautuvan toimintamallin] toteuttamisessa ilmaantuu ongelmia
POTILAS / ASIAKAS	
Potilaan / asiakkaan	Potilaat/asiakkaat/kuntoutujat/osallistujat kokevat [Näyttöön
käsitykset	pohjautuvan toimintamallin] merkityksellisenä
	[Näyttöön pohjautuvan toimintamallin]
	[Näyttöön pohjautuvan toimintamallin] potilaat/asiakkaat/kuntoutujat/osallistujat suhtautuvat myönteisesti
TOIMEENPANOON LIIT	potilaat/asiakkaat/kuntoutujat/osallistujat suhtautuvat myönteisesti [Näyttöön pohjautuvaan toimintamalliin]
TOIMEENPANOON LIIT	potilaat/asiakkaat/kuntoutujat/osallistujat suhtautuvat myönteisesti [Näyttöön pohjautuvaan toimintamalliin]
	potilaat/asiakkaat/kuntoutujat/osallistujat suhtautuvat myönteisesti [Näyttöön pohjautuvaan toimintamalliin] TTYVÄT KÄYTÄNNÖT
Toimeenpanoon liittyvät	potilaat/asiakkaat/kuntoutujat/osallistujat suhtautuvat myönteisesti [Näyttöön pohjautuvaan toimintamalliin] TTYVÄT KÄYTÄNNÖT [Toimeenpaneva taho] tarjoaa ammattilaisille koulutusta [Näyttöön
Toimeenpanoon liittyvät	potilaat/asiakkaat/kuntoutujat/osallistujat suhtautuvat myönteisesti [Näyttöön pohjautuvaan toimintamalliin] TTYVÄT KÄYTÄNNÖT [Toimeenpaneva taho] tarjoaa ammattilaisille koulutusta [Näyttöön
Toimeenpanoon liittyvät	potilaat/asiakkaat/kuntoutujat/osallistujat suhtautuvat myönteisesti [Näyttöön pohjautuvaan toimintamalliin] TTYVÄT KÄYTÄNNÖT [Toimeenpaneva taho] tarjoaa ammattilaisille koulutusta [Näyttöön pohjautuvan toimintamallin] toteuttamiseen
Toimeenpanoon liittyvät	potilaat/asiakkaat/kuntoutujat/osallistujat suhtautuvat myönteisesti [Näyttöön pohjautuvaan toimintamalliin] TTYVÄT KÄYTÄNNÖT [Toimeenpaneva taho] tarjoaa ammattilaisille koulutusta [Näyttöön pohjautuvan toimintamallin] toteuttamiseen [Toimeenpaneva taho] tarjoaa riittävästi käyttöä tukevaa

SOSIAALISEN YMPÄRISTÖN VAIKUTUKSET								
Toiminnan vakiintuneisuus	Ammattilaiset, joiden kanssa toteutan [Näyttöön pohjautuvaa							
	toimintamallia], toteuttavat [Näyttöön pohjautuvaa toimintamallia]							
	suositusten mukaisesti							
Sosiaalinen tuki	Voin luottaa, että saan tukea ammattilaisilta, joiden kanssa toteutan							
	[Näyttöön pohjautuvaa toimintamallia], kun sen toteuttamisessa							
	ilmaantuu ongelmia							
OMAN TOIMINNAN OHJ	JAUS							
Oman toiminnan	Minulla on selkeä suunnitelma, kuinka aion toteuttaa [Näyttöön							
suunnittelu	pohjautuvaa toimintamallia]							