



HELPE

Health Literacy in Physiotherapy Education

Competencies for Physiotherapy in Health Literacy

















Authors

Marietta Handgraaf ¹
Janke Oosterhaven ²
Angelique Hagen ²
Sanna Paasu Hynynen ³
Hannes Aftenberger ⁴
Christian Grüneberg ¹

Consortium HELPE

Hannes Aftenberger ⁴
Angela Arntz ¹
Monica Christova ⁴
Carles Fernández Jané ⁵
Christian Grüneberg ¹
Angelique Hagen ²
Marietta Handgraaf ¹
Birgit Jocham ⁴
Pirjo Mäki-Natunen ³
Janke Oosterhaven ²
Sanna Paasu Hynynen ³

- 1. University of Applied Science, Hochschule für Gesundheit, Germany
- 2. University of Applied Sciences Utrecht, Netherlands
- 3. JAMK University of Applied Sciences, Finland
- 4. University of Applied Sciences FH JOANNEUM, Austria
- 5. Blanquerna School of Health Sciences, Ramon Llull University, Spain





Content

ntroduc	tion	4
	w of the tasks	
MICR	O LEVEL (A)	6
A1.	Perform and adjust communication effective to clients with limited HL	7
A2. with li	Investigate lifestyle conditions and risk factors with respect to the health status of client imited HL	
A3.	Apply health-related educational skills to clients with limited HL	. 11
A4.	Support behavioral change and self-management of clients with limited HL	. 13
A5.	Apply and adjust digital technologies to clients' level of HL to enable self-management	. 15
MESO) LEVEL (B)	. 17
B1.	Improve organizational structures related to HL	. 18
B2.	Improve communicational management related to HL	. 21
iteratu	re	23





Introduction

Based on the outcomes from the performed scoping review and stakeholder/expert meetings, competencies for physiotherapists in health literacy (HL) are developed as part of the Health Literacy Framework. These competencies form the basis for the elaboration of seven HL courses in physiotherapy education.

For the description of the competencies **three levels** are assumed (Murugesu et al., 2018; Koh et al., 2013):

- a) Micro-level: focusses on the direct interaction between the health care provider and clients
- b) *Meso-level*: addresses the organization of care, with a particular focus on optimizing existing structures and processes
- c) *Macro-level*: involves the general preconditions for implementing good care into practice. This includes, in particular, policy and related activities at the organizational or national level.

For each level, different tasks are identified and for the tasks, key competences are formulated together with enabling competencies. The **competency descriptions** within the *micro-level* are focused on health care and health prevention. The descriptions on this level follow a client-centered approach. The formulated competencies generally aligned towards the entry-level bachelor's degree. Nevertheless, it is possible to use these competencies for the master degree, particularly when applied in study contexts that are complex, unpredictable and require new strategic approaches. The descriptions of the *meso-level* are most appropriate for the master level. The focus of these competencies is on optimizing and improving organizational structures and systems. The *macro-level* includes, in particular, policy and related activities at the organizational or national level and for this it is not considered in the development of competencies for the PT curricula. Only general ideas for tasks are identified.

The description of the competencies differentiates between **bachelor and master degree** and follow the European Qualifications Framework (EQF) -descriptors (European Union, n. d.). EQF **Level 6** specifies advanced knowledge in the field of HL, with a critical understanding of theories and principles. It provides a range of cognitive and practical skills required to develop creative solutions to abstract problems. It manages complex professional activities, taking responsibility for decision-making in unpredictable work or study contexts; take responsibility for managing professional development. EQF **Level 7** describes highly specialized knowledge, some of which stays at the forefront of knowledge in a field of work or study, as the basis for original thinking and/or research. It requires specialized problem-solving skills in research and/or innovation in order to develop novel understandings and procedures and to integrate knowledge from different fields. Further aims are to manage and transform work or study contexts that are complex, unpredictable and require new strategic approaches; take responsibility for contributing to professional knowledge and practice and/or for reviewing the strategic performance of teams.

The document is structured as follows. First, the tasks are formulated for each level. For each **task**, an introduction describes the **goal** and the **challenge** of the tasks in relation to HL. Second, **characteristics** from the literature are presented in a table in order to vary the operationalization of the tasks and enable combinations according to a modular principle. These aspects can be taken into account for developing HL courses and the implementation in the various teaching programs in physiotherapy education.





Overview of the tasks

MICRO LEVEL (A)

- A1. Perform and adjust effective communication to clients with limited HL
- A2. Investigate lifestyle conditions and risk factors with respect to the health status of clients with limited HL
- A3. Apply health-related educational skills to clients with limited HL
- A4. Support behavioral change and self-management of clients with limited HL
- A5. Apply and adjust digital technologies to clients' level of HL to enable self-management

MESO LEVEL (B)

- B1. Improve organizational structures related to HL
- B2. Improve communicational management related to HL

MACRO LEVEL (C)

- C1. Contribute to the transition towards HL systems in society
- C2. Contribute to better health outcomes for people with limited HL





Competence descriptions

MICRO LEVEL (A)

- A1. Perform and adjust effective communication to clients with limited HL
- A2. Investigate lifestyle conditions and risk factors with respect to the health status of clients with limited HL
- A3. Apply health-related educational skills to clients with limited HL
- A4. Support behavioral change and self-management of clients with limited HL
- A5. Apply and adjust digital technologies to clients' level of HL to enable selfmanagement





A1. Perform and adjust communication effective to clients with limited HL

The goal: Physiotherapists work with clients with limited health literacy (for instance older people, patients with chronic diseases, with low economic status, education and migration background) and their families, in order to gather and share essential information related to health literacy. They use effective communication skills and strategies in a client-centered way.

The challenge¹: Physiotherapists are confronted with critical moments in their contact with clients with limited health literacy. They encounter various challenges in different stage of therapy, which arise important questions. How do physiotherapists support clients in their preparation for the consult? How do they communicate effectively during the consult and how do they gather adequate information? Does the client understand the provided information and do the physiotherapists clarify or adapt the information to the people with limited HL? Do physiotherapists use client-centered communication with understandable and general language? How do they establish a good collaborative and trusting relationship?

The characteristics describe different selected elements from the literature that vary the operationalization of the tasks and that can be combined according to a modular principle.

Setting/Context	Drivers and barriers ²	Client characteristics ³
 Hospital Rehabilitation Physiotherapy practice Health center Maternity clinics School 	 Individual (language, knowledge, beliefs, ideologies, experiences, medical conditions) Social/community (environment, social support, social norms, networks, culture & traditions, health system & providers Accessibility (interpreters, incentives, continuity of care, time/workload, communication skills Training (provider types, up-to-date verbal and written information, inter-sectoral) 	 Age Gender Ethnicity Educational level Cognitive ability Cultural factors Spiritual beliefs Medical conditions - (Non)communicable diseases Lifestyle risks

-

¹ In accordance to Murugesu et al., 2018

² Based on Taggart et al., 2012

³ Based on Taggart et al., 2012





A1. Perform and adjust communication effective to clients with limited HL

	y competencies	Enabling competencies
Physiotherapists are able to 1. establish a trusting professional		
relationship with clients and their families		 1.1. communicate through using a client-centered approach that encourages client trust and autonomy that is characterized by empathy, respect and compassion 1.2. respond to client's non-verbal behavior to enhance communication 1.3. create a shame-free environment and respond to emotions 1.4. anticipate and support clients' needs 1.5. be aware of one's own preconceptions and do not let them affect to one's work with clients 1.6. take nothing for granted 1.7. use, if necessary (medical) interpreter services
2.	elicit and synthesize accurate and relevant information, incorporating the perspectives of clients and their families	 2.1. use techniques of active listening (e.g. reflection, picking up patient's cues, paraphrasing, summarizing, verbal and non-verbal techniques) 2.2. use client-centered interviewing skills to effectively gather relevant information 2.3. determine (non-judgmental) causes of non-adherent health behaviors 2.4. use short and simple language 2.5. elicit clients' (prior) understanding of their health issues in a non-shaming manner 2.6. scan and assess actively situational elements to gain information 2.7. identify clients learning style preferences
3.	provide and reflect on the given information or his/hers family	 3.1.communicate clearly through plain language, avoidance of jargon, prioritization of information 3.2.offer strategies in place to ensure low-threshold access to the services 3.3.use teach-back to check understanding 3.4.assess and write comprehensible client information 3.5.use of visual aids (videos, images, self-drawing)
4.	promote participatory / shared decision making	 4.1.encourage clients or his/hers family to ask questions 4.2.involve clients or his/hers family in shared decision-making 4.3.educate clients or his/hers family to participate in shared decision-making (ask 3 questions-tool)





A2. Investigate lifestyle conditions and risk factors with respect to the health status of clients with limited HL

The goal: Physiotherapist use a client-centered approach to collect and interpret information, to make clinical decisions and to identify clients with limited HL across different diagnosis. Their focus is on assessing and investigating lifestyle conditions, risk factors and their prevention. Their decision-making is informed by best practice and research evidence.

The challenge⁴: Physiotherapists need to involve clients with limited HL to participate more actively in their own care. This usually leads to better adherence to therapy and to more adequate management. The challenge for physiotherapists is to recognize clients with limited HL. The internalizing of teach back method facilitate contact and communication with clients with limited HL.

The characteristics describe different selected elements from the literature that vary the operationalization of the tasks and that can be combined according to a modular principle.

Setting/Context	Diagnosis ⁵	Client characteristics ⁶
 Hospital Rehabilitation Physiotherapy practice Health center Maternity clinics School 	 Noncommunicable diseases (NCDs) (pulmonary conditions, metabolic syndrome, cardiovascular disease / coronary heart disease, atherosclerosis, hypertension, stroke, cancer, type 2 diabetes, obesity, physical impairment, 	 Age Gender Ethnicity Educational level Cognitive ability Cultural factors Spiritual beliefs Medical conditions
CurationPrevention	musculoskeletal health (osteoporosis and arthritis) Communicable diseases (e.g. Pandemic (covid 19)) Mental health (anxiety and depression)	■ Lifestyle risks

-

⁴ In accordance to Murugesu et al., 2018

⁵ Based on Dean, 2009a, 2009b; Dean et al., 2020

⁶ Based on Taggart et al., 2012





A2. Investigate lifestyle conditions and risk factors with respect to the health status of clients with limited HL

Key competencies	Enabling competencies
Physiotherapists are able to	
1. recognize client with limited HL	 1.1.use assessment tools to identify limited HL 1.2.use or adopt teach-back method to check understanding 1.3.convey information better (communicate in a way that is easy to understand) 1.4.possess knowledge of epidemiology and etiology of risk factors for lifestyle conditions and their manifestation across the life circle 1.5.identify determinants of health and their interrelationship
2. perform a client-centered clinical assessments	 2.1. prioritize issues to be addressed in a client encounter 2.2. elicit a history, perform a physical exam, select appropriate tests with the focus on risk factors for lifestyle conditions 2.3. use outcome measures, i.e. health status questionnaires, and risk factor assessment tools for the lifestyle conditions 2.4. interpret results of the examination for the purpose of goalsetting and management, disease prevention and health promotion
3. establish a management plan	 3.1.establish goals of care in collaboration with clients and their families, which may include slowing disease progression, treating symptoms, achieving cure and improving function 3.2.establish a client-centered management plan





A3. Apply health-related educational skills to clients with limited HL

The goal: Patient education about health and lifestyle related risk factors are becoming increasingly important for physiotherapists. Changes in care delivery, demographic shifts, shorter hospital stays, and increase in complexity as well as cultural diversity are factors that support the necessity of patient education. In addition, clients request more information and participation in decisions concerning their health. Moreover, lifestyle changes emphasized in secondary prevention require specific skills for patient education of clients with limited HL. Physiotherapists must be able to perform a variety of planned educational activities designed to improve patient health behaviors or health status, or both. They take into account the different perspectives and tailor task-based the relevant health information to the individual or community.

The challenge⁷: How can physiotherapists help clients or target groups to develop self-confidence, to understand and use health-related knowledge that promotes health and help them to make health-related decisions? Patient education is an important skill here. Different contexts (e.g. home, community or health clinic) requires however various approaches for patient education that focus particularly on (secondary) prevention. In patient/health education physiotherapists reduce the situational demands and complexity that enable well-informed and more autonomous health decision-making.

The characteristics describes different selected elements from the literature that vary the operationalization of the tasks and that can be combined according to a modular principle.

Setting/Context	Patient/health education ⁸	Management lifestyle risk factors ⁹
 Individual or group Community (e.g. workplace, school,) 	 Updated scientific and general knowledge Essential themes and topics in patient education Individual/community experiences and concerns Establish learning needs and readiness to learn 	 Smoking reduction and cessation Nutrition optimization Weight control (weight reduction or gain, and normalization) Physical activity (progressive increase in regular daily
 (Non)communicable diseases Focus on (secondary) prevention 	 Information giving and dialog Motivation and lifestyle counseling 	 activity) Structured exercise programs Stress reduction and management Sleep hygiene and optimization Substance abuse cessation (e.g., alcohol and drugs)

-

⁷ In accordance to Nutbeam & McGill, 2019

⁸ Based on Svavarsdóttir et al., 2015

⁹ Based on Dean, 2009a, 2009b





A3. Apply health-related educational skills to clients with limited HL

Key competencies		Enabling competencies	
Physiotherapists are able to			
develop structured patient/health education		 1.1.adapt to different learning styles and align education accordingly 1.2.use a communication style that is suitable for clients with limited HL 1.3.capture individual learning needs by clients with limited HL 1.4.understand the role of facilitators and barriers for a healthy lifestyle 	
		1.5.use for patients education culturally and socially appropriate and relevant visual aids, including objects and models	
2.	base patient education on evidence	2.1. evidence supporting the health-related knowledge and effectiveness of interventions2.2. use up to date knowledge about how to change lifestyle and approaches	
3.	provide individualized client centered education related to health and risk factors	 3.1. demonstrate instructions interactive, such that clients engage the information, to facilitate retention and recall 3.2. use examples or analogies to improve patients' comprehension 3.3. use effectively a teach back or "show me" technique for assessing patients' understanding 3.4. chunk information and check for understanding before moving to new information 3.5. support a high level of autonomy in decision-making 3.6. express a non-judgmental non-shaming respectful attitude toward individuals with limited health literacy skills 	
4.	provide community-based education related to health and risk factors	 4.1. promote health and prevent disease tailored to different settings and contents (e.g. school, workplace) 4.2. integrate social context and beliefs on health 4.3. personalize health information 4.4. focus on shaping or changing the environment or people's perception of the environment 4.5. reduce situational demands and complexity 	





A4. Support behavioral change and self-management of clients with limited HL

The goal: Behavior change begins with an appraisal of the client's basic knowledge and health beliefs. It is important to provide personalized health information, stressing the consequences and risks of health-related decisions. It is important to emphasize the importance of self-efficacy, the belief in one's own ability to act. Physiotherapists support in creating new meaningful behaviors or life roles and guide clients in taking an active role in self-management. Therefore, they build a trustful professional relationship. They help clients to deal with emotions such as anger, fear, frustration and depression and help clients to find a way to cope with failures. They incorporate motivation and sustainability into physical activity, exercise therapy or health recommendations. They support long-term effective self-management.

The challenge¹⁰: Physiotherapists guide clients in their self-management of health problems that are associated with physical and psychosocial consequences and lifestyle changes. They use an active approach and implement different self-management skills. Main focus is a behavior change and an active lifestyle during a long-term management.

The characteristics describes different selected elements from the literature that vary the operationalization of the tasks and that can be combined according to a modular principle.

Setting/Context ¹¹	Self-management support ¹²	Determinants of behavior ¹³
HomeClinical settingWorkplace	PainDisabilityEmotionsFatigue	AttitudeSelf-efficacySocial influenceKnowledge
 Sources of behavior Intervention functions Policy categories 	 Stress Healthy lifestyle Time management Exercise Relaxation Communication Work Breathing techniques Assertiveness Ergonomics Acceptance Sleep hygiene Posture Social support 	SkillsBeliefs

A4. Support behavioral change and self-management of clients with limited HL

¹⁰ In accordance to Hutting et al., 2019

¹¹ Based on Michie et al., 2011

¹² Based on Hutting et al., 2019

¹³ Based on Hutting et al., 2019





Key competencies	Enabling competencies
Physiotherapists are able to	
recognize individual needs for change by clients with limited HL	 1.1.adopt an active listening communication style 1.2.use of motivating interviewing or relates techniques 1.3.use examples or analogies to improve patients' comprehension 1.4.help clients identify and address possible barriers to self-management 1.5.formulate feasible goal together with the clients 1.6.expresses a non-judgmental non-shaming respectful attitude toward individuals with limited health literacy skills
2. facilitate an effective self-management	 2.1. develop an action plan 2.2. use a nonjudgmental approach 2.3. assist in identifying optimal strategies to reduce or avoid symptom exacerbation through shared problem solving and give feedback 2.4. link clients with resources, encourage goal setting and monitoring outcomes 2.5. promote self-efficacy and motivation 2.6. handle constructively with clients anxiety and possible depression 2.7. encourage clients to maintain personal health records
3. foster behavior changes during long-term management	 3.1. support the clients to identify ways to measure the effectiveness of self-management 3.2. engage family and friends to keep clients on track 3.3. create partnerships for long-term support 3.4. ensure active follow up





A5. Apply and adjust digital technologies to clients' level of HL to enable selfmanagement

The goal: Using digital technologies can support behavior change that promotes and maintains health.. Physiotherapists increasingly use personally-related information in order to adapt provision of support to the unique and often changing needs of the individual client. Just-in-time adaptive interventions, in particular, have the opportunity to engage in healthy behavior (or susceptibility to negative behavior) and support the self-management. Different digital technologies and strategies are demonstrated.

The challenge¹⁴: Physiotherapist use digital technologies (information systems, assessments and therapy management systems). This enables them to individualize video-based training or exercises by means of monitoring systems, feedback and interventions such as voice assistance or games. They interact with and support people synchronously or asynchronously in different matters and lifestyles.

The characteristics describes different selected elements from the literature that vary the operationalization of the tasks and that can be combined according to a modular principle.

Setting/ Content ¹⁵	Target behavior ¹⁶	Core self-managements skills ¹⁷
HomeClinical settingWorksiteCommunity	 Problem solving Action planning Physical activity Training in own environment Healthy eating 	 Problem solving Decision making Resource utilization Forming of a patient/health care provider partnership
 Smartphones/PC Wearable technologies Digital apps Tracking systems 	■ Taking medications	■ Taking action

-

¹⁴ In accordance to Hutting et al., 2019

¹⁵ Based on Hekler et al., 2016

¹⁶ Based on Brady, 2012; Dean, 2009a, 2009b

¹⁷ Based on Lorig & Holman, 2003





A5. Apply and adjust digital technologies to clients' level of HL to enable self-management

Key competencies		Enabling competencies
Ph	ysiotherapists are able to	
1.	identify technologies for information, assessment, intervention and interactive education and self-management	 1.1. analyze and synthesize appropriate digital technologies incl. usage of clients own technologies 1.2. adopt an active listening communication style for beliefs and needs regarding technologies and digital health literacy 1.3. promote self-efficacy and motivation in dealing with digital technologies 1.4. apply a client oriented recording in digital databases 1.5. expresses a non-judgmental non-shaming respectful attitude toward individuals with limited digital health literacy skills
2.	facilitate usage of technology for the needs of the clients with limited HL	 2.1. use of various technologies to motivate for technical devices 2.2. help clients identify and address possible barriers to digital health literary and the usage of technologies 2.3. formulate feasible goals together with the clients to embed digital health and technologies in daily life
3.	facilitate an effective self- management with technologies	 3.1.develop an action plan 3.2.use a nonjudgmental approach 3.3.assist in identifying optimal strategies to reduce or avoid symptom exacerbation through shared problem solving 3.4.link clients with digital resources 3.5.provide feedback 3.6.encourage clients to maintain the usage of technologies
4.	foster behavior changes embedding technologies for long-term management	 3.1. support the clients to use the identified ways to improve self-management by digital health literacy 3.2. engage family and friends to keep clients on track 3.3. create partnership and digital networks 3.4. active follow up





Competence descriptions

MESO LEVEL (B)

- B1. Improve organizational structures related to HL
- B2. Improve communicational management related to HL





B1. Improve organizational structures related to HL

The goal: Healthcare organizations need to create a culture and mechanisms that promote HL. Developing organizational HL requires a strong and clear connection between the vision of HL and its operationalization as an implementation strategy for client-centered care. Clients need a local and community-based environment that facilitates navigation, understanding, and use of health care information and services. Services, organizations, and systems have to promote an equitable access to HL. The structures and workflows within- and between organizations are structured in way that interactions between health care teams and clients respond a high quality HL.

The challenge¹⁸: Organizations have to build up systems that support an appropriate HL environment at the local and community-level and meet the needs of the population. Based in the HL vision operational strategies (incl. regarding to facilitators and barriers) for implementing HL need to be approved. The team and organizational staff are supposed to create structures to implement HL strategies and HL interventions, monitor results, and address HL as part of continuous quality improvement system.

The characteristics describes different selected elements from the literature that vary the operationalization of the tasks and that can be combined according to a modular principle.

Setting	Vision (what) ¹⁹	Operationalization (how) ²⁰
 Hospital Rehabilitation Physiotherapy practice Health center Community 	 Mutuality of various factors (e.g. biopsychosocial, economic, environmental, cultural) that influencing health and health care Promotion of equitable access Expansion of health and HL Culturally and linguistically health care strategies Organizational strategies, capacities and implementation processes to HL Access HL to e.g. living and working in organization, diagnosis, treatment and care, disease management and prevention, lifestyle development 	 Address interrelationship of literacy, culture and language Consider operationals (e.g. clinical and financial) perspectives Promote system change Address demands - make it easier to navigate, understand, and use informations and services Identify facilitators and reduce barriers Secure sustainability of HL Be proactive in meeting needs of populations

_

¹⁸ In accordance to Farmanova et al., 2018; Koh et al., 2013

¹⁹ Based on Farmanova et al., 2018; Bremer et al., 2021

²⁰ Based on Farmanova et al., 2018; Bremer et al., 2021





B1. Improve organizational structures related to HL

Key competencies	Enabling competencies	
Physiotherapists are able to		
create a culture and mechanism that promotes effective HL	1.1. raise awareness about HL and contribute to a culture that promotes HL	
	 1.2. identify HL needs of clients/populations 1.3. facilitate improvements in the navigation and design of services and programs, policies, protocols, procedures, and preparation of workforce to deliver HL care 	
	 1.4. use assessments to determine performance and progress in promoting HL 1.5. create partnerships within the community to provide resources that can help meet clients' needs 	
2. promote the implementation of HL	2.1. recommend system-level changes to make organizations health literate sensitive and active influencing in multi-channels including digital channels	
	2.2. assist health services by providing practical strategies to address HL barriers for clients2.3. facilitate the delivery of timely, outcomes-oriented care	
	 2.4. monitor improvement during self-management by digital HL 2.5. take on new roles, such as scheduling interpreter 	
	services in advance, facilitating patient education 2.6. apply evidence and management processes to achieve cost-appropriate care	
3. link to supported systems	3.1.support the use, development or adaption of picture-based materials for specific target groups or HL strategies	
	3.2.implement the teach-back tool or other relevant educational methods in the organization3.3.support the use of digital tools and technologies for	
	HL in clients digital operating environment 3.4.use clinical information systems that include automatic reminders for HL	
4 manage quality increases	3.5.facilitate the use of decision aids that meet the needs of clients with varying levels of HL	
4. promote quality improvement	4.1. provide health organizations with self-assessment tool to guide and inform development related to HL	





4.2. target improvements in specific procedures (e.g.
referrals for a service, development of personal
care plans, and use of patient portals)
4.3. encourage transparency of quality problems, and provide incentives for delivering high-quality care





B2. Improve communicational management related to HL

The goal: Significant amount of clients demonstrate insufficient knowledge of their medical conditions and have difficulties in completing basic forms. Thereby they less likely use preventive services and manage their health conditions sufficiently. One important measure to counteract this is to review organizational structures for the quality of communication management. The meso-level builds on the communication skills, which are acquired at the micro-level but focuses more on leadership and collaboration as well as on optimization of communication systems in health care (HC) organizations and communities. There is to verify the communication processes in intra- and interprofessional teams that promote the optimization of client-centered prevention and care.

The challenge²¹: Physiotherapist needs to contribute to the communicational improvement in health care delivery in teams, organizations and systems. They work with clients or communities to increase the communicational management in care delivery and in (interprofessional) teams.

The characteristics describes different selected elements from the literature that vary the operationalization of the tasks and that can be combined according to a modular principle.

Leadership and collaboration ²²	Communication in health care teams ²³	Optimizing communication in HC organization ²⁴
 Create culture of safety and quality Communicate HL integral to mission, structure, and operations Promote HL training; raise awareness about HL and change behaviors Reduce organizational HL 	 Collaboration among health sectors and HC providers Alignment of all HC services Collaborative communication between primary and secondary care 	 Identify facilitators and barriers Assure comprehensibility of medical and physiotherapy documents and information Assure comprehensible communication style Enable shared decision
barriers		makingPromote cultural sensitivity

_

²¹ In accordance to Jager et al., 2019; Farmanova et al., 2018

²² Based on Farmanova et al., 2018

²³ Based on Jager et al., 2019; Bachmann et al., 2013

²⁴ Based on Jager et al., 2019





B2. Improve communicational management related to HL

Ke	ey competencies	Enabling competencies	
Ph	ysiotherapists are able to		
1.	contribute to the communicational improvement in health care delivery in teams, organizations and systems	 1.1.apply the science of quality improvement to contribute to improving systems of client care 1.2.identify high risk-situations and topics that require extra attention and resources to ensure safe communication 1.3.identify communication facilitators and barriers and apply influencing solutions 1.4.use effective documentation systems 1.5.collaborate effectively among heath sectors and health care providers 1.6.implement strategies to promote understanding, manage differences, and resolve conflicts in a manner that supports a collaborative culture 	
2.	respond to the needs of written and digital tools related to communication	 2.1. use of electronic health records that facilitate personalized online patient education, care coordination, and referrals 2.2. provide guidance for designing easy-to-read written materials and reviewing materials with clients 2.3. promote the use of nonprint alternatives such as pictures or other visual aids 2.4. apply different digital materials 	
3.	work and communicate effectively with service users and interprofessional teams	 3.1. engage in respectfully shared decision-making with clients and team-based 3.2. make clients more engaged and more informed 3.3. ensure that clients' decisions are informed in a linguistically and culturally appropriate way 3.4. solve problems (interprofessional) around clients goals 3.5. ensure that all relevant information is available 3.6. facilitates the formation of opinions in the group, encourages, and rewards team members to voice differing opinions 3.7. solve conflicts and enables a constructive negotiation in a healthcare team 	





Literature

- Bachmann, C., Abramovitch, H., Barbu, C. G., Cavaco, A. M., Elorza, R. D., Haak, R., . . . & Rosenbaum, M. (2013). A European consensus on learning objectives for a core communication curriculum in health care professions. *Patient Educ Couns*, *93*(1), 18-26.
- Brady, T. (2012). Strategies to support self-management in osteoarthritis. *Am J Nurs, 112*(3 Suppl 1), S54-60.
- Bremer, D., Klockmann, I., Jaß, L., Härter, M., von dem Knesebeck, O., & Lüdecke, D. (2021). Which criteria characterize a health literate health care organization? a scoping review on organizational health literacy. *BMC Health Serv Res, 21*(1), 664.
- Dean, E. (2009a). Physical therapy in the 21st century (Part I): toward practice informed by epidemiology and the crisis of lifestyle conditions. *Physiother Theory Pract*, *25*(5-6), 330-353.
- Dean, E. (2009b). Physical therapy in the 21st century (Part II): evidence-based practice within the context of evidence-informed practice. *Physiother Theory Pract*, *25*(5-6), 354-368.
- Dean, E., Jones, A., Yu, H. P., Gosselink, R., & Skinner, M. (2020). Translating COVID-19 Evidence to Maximize Physical Therapists' Impact and Public Health Response. *Physical therapy*, *100*(9), 1458–1464.
- European Union. (n. d.). *Description of the eight EQF levels*. Europass. Retrieved from https://europa.eu/europass/en/description-eight-eqf-levels
- Farmanova, E., Bonneville, L., & Bouchard, L. (2018). Organizational Health Literacy: Review of Theories, Frameworks, Guides, and Implementation Issues. *Inquiry*, *55*, 46958018757848.
- Hekler, E. B., Michie, S., Pavel, M., Rivera, D. E., Collins, L. M., Jimison, H. B., . . . & Spruijt-Metz, D. (2016). Advancing Models and Theories for Digital Behavior Change Interventions. *Am J Prev Med*, *51*(5), 825-832.
- Hutting, N., Johnston, V., Staal, J. B., & Heerkens, Y. F. (2019). Promoting the Use of Self-management Strategies for People With Persistent Musculoskeletal Disorders: The Role of Physical Therapists. *J Orthop Sports Phys Ther*, 49(4), 212-215.
- Koh, H. K., Brach, C., Harris, L. M., & Parchman, M. L. (2013). A proposed 'health literate care model' would constitute a systems approach to improving patients' engagement in care. *Health Aff* (Millwood), 32(2), 357-367.
- Jager, M., de Zeeuw, J., Tullius, J., Papa, R., Giammarchi, C., Whittal, A., & de Winter, A. F. (2019).

 Patient Perspectives to Inform a Health Literacy Educational Program: A Systematic Review and
 Thematic Synthesis of Qualitative Studies. Int J Environ Res Public Health, 16(21).
- Lorig, K. R., & Holman, H. R. (2003). Self-management education: history, definition, outcomes, and mechanisms. *Annals of behavioral medicine*, *26*(1), 1-7.
- Michie, S., van Stralen, M. M., & West, R. (2011). The behaviour change wheel: a new method for characterising and designing behaviour change interventions. *Implement Sci, 6,* 42.
- Murugesu, L., Heijmans, M., Fransen, M. & Rademakers, J. (2018) *Beter omgaan met beperkte gezondheidsvaardigheden in de curatieve zorg: kennis, methoden en tools.* Nivel, Utrecht.





- Nutbeam, D. & McGill, B. (2019). Improving health literacy in clinical and community populations. In: Okan, O., Bauer, U., Levin-Zamir, D., Pinheiro, P., & Sørensen, K. (2019). *International handbook of health literacy: research, practice and policy across the lifespan*: Policy Press. p- 219-232
- Svavarsdóttir, M. H., Sigurðardóttir Á, K., & Steinsbekk, A. (2015). How to become an expert educator: a qualitative study on the view of health professionals with experience in patient education. *BMC Med Educ*, *15*, 87.
- Taggart, J., Williams, A., Dennis, S., Newall, A., Shortus, T., Zwar, N., . . . & Harris, M. F. (2012). A systematic review of interventions in primary care to improve health literacy for chronic disease behavioral risk factors. *BMC Fam Pract*, *13*, 49.