



Acknowledgement

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In this presentation we used slides from the following HELPE presentation:

- <u>Lecture_05_HL on micro level</u>
- <u>Lecture_06_HL questionnaire and reflection tool</u>

























Health Literacy

Health litercy on micro level Evaluation methods

























Learning outcomes

Students should be able to:



- identify vulnerable groups for health literacy and discuss the impact on health and diseases
- describe signs suggesting limited health literacy
- describe methods for evaluation of health literacy

















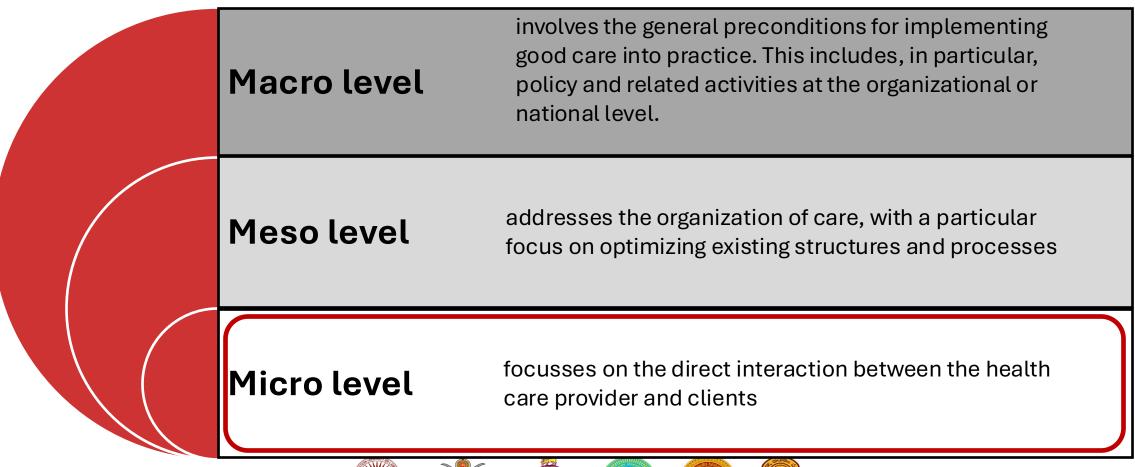








Levels of Health Literacy



















Physiotherapy and Health Literacy



Image 1. Senior male patient meet therapist to receive medical consultation









Image 2. Physiotherapeutic rehabilitation

























Signs of limited health literacy

- Incompletely or inadequately completed forms
- Frequently missed therapy appointments
- Inability/difficulty to name and take correctly medications
- Inability to follow instructions referred by other health professionals
- Inability to comprehend/complete their home exercise program, or disease management tasks
- Refusing to read written instructions or asking the therapist to read to them























How do you identify the level of health literacy of a client?

- Difficulty filling out forms
- Always late for appointments or no-shows
- Difficulty using instructions
- Poorly formulating questions
- Difficulty answering questions
- Indicating complaints
- Unable to name chronology
- Making excuses

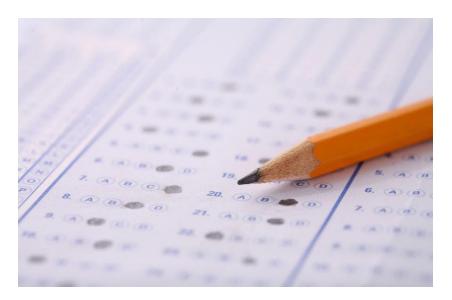


Image 3. Filled questionnaire















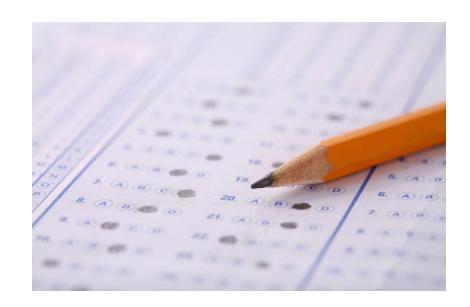




How do you identify the level of health literacy of a client?

Most common excuses

- Sorry, I forgot my glasses
- Could you fill out this for me, I write so illegibly
- I'll fill it out at home
- I can't read because I'm word-blind
- Sorry, I thought the appointment was tomorrow



https://www.ahrq.gov/health-literacy/improve/precautions/index.html

























How do you actively identify the level of HL of a client?

 1. Offer leaflet upside down (client with limited HL will often not turn it to the rightside)

If you can read this, put your left hand on your right shoulder and raise the right hand in the air.

• 2. Ask how many years client has been able to go to school























How do you actively identify the level of HL of a client?

• 3. Ask if client receives help with reading leaflets or filling in forms:

- "How confident are you that you fill in medical forms correctly yourself?"
- "How often is someone helping you to read letters or leaflets
- from your GP or the hospital?"
- "Do you find it difficult to find out more about your health,
- because you do not understand written information well? "

























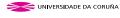
Evaluation of the level of HL and strategies

- simplifying forms/improving the readability of printed information
- client-centered language and feedback conversations
- appropriate communication strategies
 - plain language and clear sentences
 - ask questions
 - give feedback
 - "teach back" method

























Challenges faced by the older adults in Sri Lanka

Poor health literacy among older adults in Sri Lanka compounds the challenges of ageing by reducing self-care ability, increasing dependence on others, and worsening health outcomes.

Addressing this issue requires age-appropriate communication strategies, community-based education programs, and health system reforms that prioritize elderly-friendly services.

























Example case scenario

Mrs. Silva, a 72-year-old woman from a rural village in Sri Lanka, visits a physiotherapy clinic after a hip replacement. The physiotherapist provides her with a written home exercise program and instructs her to follow it daily.

However, after two weeks, Mrs. Silva returns with no improvement—and signs of muscle stiffness and pain. Upon review, the therapist discovers:

- Mrs. Silva cannot read English and only completed primary education.
- She thought the sheet was just for the doctor and never attempted the exercises.
- She was too shy to ask questions and assumed any pain meant she should rest.

























Why should client's health literacy be assessed?

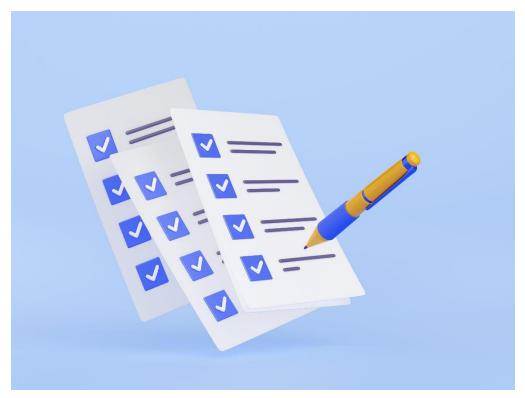


Image 4. Questionnaire

























Health Literacy assessments for clients (overview)

Measurement	Functional HL	Interactive HL	Critical HL	Items	Туре	
FCCHL	х	х	х	14	self-reported	
HELMA	х	Х	Х	44	self-reported	
HLAT	x	X	х	8	self-reported	
HLS-EU- Q47/Q16/Q6	health care/d	isease prevention/hea	47/16/6	self-reported		
HLQ	multidimensional			44	self-reported	
NVS	X			6	performance based	
REALM	n.a.	n.a.	n.a.	125 (S-REALM 8)	performance based	
SAHL S&E	Х			18 (Dutch 33)	performance based	
S-(TOFHLA)	х			40	performance based	















Health Literacy Questionnaire (HLQ)

- Widely used internationally
- Measures 9 domains (e.g., understanding health info, engagement with providers)
- Can be translated to Sinhala/Tamil

Facilitates community-level and clinical assessments

























HLQ

- Multidimensional Assessment
- 9 dimensions of health literacy:
 - (1) Feeling understood and supported by healthcare providers
 - (2) Having sufficient information to manage my health
 - (3) Actively managing my health
 - (4) Social support for health
 - (5) Appraisal of health information
 - (6) Ability to actively engage with healthcare providers
 - (7) Navigating the healthcare system
 - (8) Ability to find good health information
 - (9) Understanding health information well enough to know what to do.























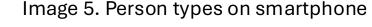


Evaluation of digital health literacy

- DHLI (Digital Health Literacy Instrument)
- eHLF (e-health literacy framework)
- eHEALS (The eHealth Literacy Scale)

Cayser et al., 2018; Norman & Skinner, 2006; van der Vaart &

(Kayser et al., 2018; Norman & Skinner, 2006; van der Vaart & Drossaert, 2017)



























Challenges in Sri Lankan Context

- Language diversity
- Low formal education in rural/older populations
- Stigma in admitting low understanding
- Lack of validated local tools
- Resource limitations in rural healthcare facilities

























HL assessment tool use in Sri Lanka

- The HLS-EU-Q16 translated into Sinhala language and validated among adults with diabetes and hypertension (Pathirathna et al., 2020)
- eHealth Literacy Scale (eHEALS) has been validated for Sinhala-speaking health science students and working-age adults (Seneviratne et al., 2022; Jayasinghe A., et al., 2021).
- some locally developed context-specific questionnaires are being used to assess,
- -maternal health literacy, non-communicable diseases (NCDs), and school-based health education (Perera et al., 2013).

























Conversational Health Literacy Assessment Tool (CHAT)

Table 2 Conversational Health Literacy Assessment Tool (CHAT) Questions

Supportive professional relationships	1. Who do you usually see to help you look after your health?				
	2. How difficult is it for you to speak with [that provider] about your health?				
Supportive personal relationships	3. Aside from healthcare providers, who else do you talk with about your health?				
	4. How comfortable are you to ask [that person] for help if you need it?				
Health information access and comprehension	5. Where else do you get health information that you trust?				
	6. How difficult is it for you to understand information about your health?				
Current health behaviours	What do you do to look after your health on a daily basis? (Prompt for diet, sleeping hal medication, and treatment plan)				
	8. What do you do to look after your health on a weekly basis? (Prompt for exercise, physical activities, social activities, and visits to healthcare professionals)				
Health promotion barriers and support	9. Thinking about the things you do to look after your health, what is difficult for you to keep doing on a regular basis?				
	10. Thinking about the things you do to look after your health, what is going well for you?				























References

Image 1: <u>Senior male patient meet therapist to receive medical consultation</u> by <u>fizkes</u> from <u>shutterstock</u>, free license by <u>shutterstock</u>

Image 2: Physiotherapeutic rehabilitation by mentalmind from shutterstock

Image 3. Filled questionnaire from PowerPoint® for Microsoft 365 MSO (Version 2205 Build 16.0.15225.20172) 64 Bit)

Image 4. Questionnaire by upklyak from freepik, free license by freepik

Image 5. Person types on smartphone from PowerPoint® for Microsoft 365 MSO (Version 2205 Build 16.0.15225.20172) 64 Bit)

All icons/pictograms from PowerPoint® for Microsoft 365 MSO (Version 2205 Build 16.0.15225.20172) 64 Bit)























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Health Literacy

Health literacy recognition on micro level

























Learning outcomes

Students should be able to:

- describe a tool for assessing your own health literacy and know how to use it
- use a tool to reflect on your own health literacy/communication skills

























Why should PT students health literacy communication skills be assessed?

- To Improve Patient Understanding and Compliance
- To support Diverse Literacy Levels
- To Prepare for Real-World Practice
- To Promote Patient-Centered Care
- To Reduce Health Disparities
- To Enhance Digital Health Adoption
- To Build Reflective and Adaptive Clinicians

























Self assessment

Questionnaire (pre/post assessment)

Reflection tool

























Health Literacy Questionnaire for Students (pre/post assessment)

- to evaluate health literacy competences of physiotherapy students
- Includes elements from
 - existing questionnaires (IMPACCT Project)
 - 6 function model of medical communication (de Haes & Bensing, 2009)

























Health Literacy Questionnaire for Students (pre/post assessment)

Items:

- (A) Knowledge about HL
- (B) Adjustment of communication and patient educational skills to patients with limited HL
- (C) Awareness of own attitude towards using HL communication skills and/or teaching strategies
- (D) Confidence in using HL communication and patient educational skills

























Health Literacy Questionnaire for Students (pre/post assessment)

Please indicate how much you know about limited health literacy. Choose only one answer.

l k	I know where to find information on limited health literacy.							
		1	2	3	4	5	6	7
		Strongly disagree						Strongly agree
1.	I understand the challenges that patients with limited health literacy can have							
2.	I know which groups are more likely to have limited health literacy							

























Health Literacy Questionnaire for Students - Adjustment of communication

- Fostering the relationship
- Gathering information
- Providing information
- Shared decision making
- Enabling self-management
- Responding to emotions

























Health Literacy Questionnaire for Students - Awareness of own attitude

Ţ.

What is your opinion/ attitude on using health literacy communication skills and/or teaching strategies? Give an example of a specific interaction with a patient with low health literacy. Reflect on your own competences?

























Health Literacy Questionnaire for Students - my confidence in using HL communication and patient educational skills

How confident are you in your ability to:							
	1 Not at all confi- dent	2	3	4 neutral	5	6	7 Very confi- dent
38. adjust your communication and patient educational skills to patients with limited health literacy							
39. engage with the patient in a personal though							























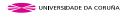
Health Literacy Questionnaire: Reflection tool

- The aim is to use this reflection tool during internships and practical training at the university.
 - Self-assessment
 - Peer-assessment
 - Teacher/supervisor assessment

























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Thank You



















