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Soft Skills for Health Care Staff

A Scoping Review

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ABSTRACT

<u>Introduction</u>: Soft skills such as, interpersonal skills, life skills, people skills, social skills, and emotional intelligence are necessary to live a good life and succeed in one's career. Health care professionals need various soft skills at work every day. Seamless teamwork with interdisciplinary team requires high level of communication, adaptability, and trust between team members. Providing the best care for patients requires ability of listening, empathy, sensitivity, and high level of communication with patients and their families. The purpose of this scoping review is to raise awareness of soft skills among people who are involved in the health care sector. It aims to collect all recent research knowledge about soft skills and their importance for professionals working in wide health care sector. The research questions this review aims to answer are: Why is it essential for the health care system personnel to develop soft skills? Could the soft skills be helpful in health care to eliminate the gap between the hospital staff and the patient? And could the patient get better services and the health care staff get higher job satisfaction in health care through soft skills?

<u>Methods</u>: This study is a scoping review and it started with determining research question by using PICO. The research consisted of systematic data search concerning importance of soft skills in health care professions. Data search was realized in two parts: first pilot search and then final search. The final search was done in three databases: ProQuest, PubMed and Google Scholar and they were chosen based on results of the pilot search. Search gave 1418 studies, and the search results were then analyzed in three stages, first on title level (n=102), on abstract level (n=30) and on full text level (n=12). One more study was added from references of one full text article resulting 13 studies in total included to this review. These 13 studies were read various times carefully and research questions were responded based information narrativelv on thev provided. Conclusions: Findings of this review show that various soft skills are very important for health care workers in their day-to-day activities. Good soft skills can even help to handle stress which is very common symptom in health care working environment. They also have positive effect and impact on other people, like coworkers, patients, and their families. Advanced soft skills of health care personnel increase the quality of care and prevent many mistakes, often caused by problems in communication. They are also tightly connected with the level of satisfaction of patients' service experience. Soft skills have positive impact on people's personal life as well as on professional growth. Because of many advantages soft skills provide, their development is recommendable.

Keywords

Soft Skills, Healthcare staff



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1 Introduction

The healthcare industry is one of the world's largest and fastest-growing industries (U.S Bureau of Labor Statistics 2020). Over and above those who provide emergency medical services, the aging baby boomer population, and new medical and insurance reforms have driven a need for a wide range of healthcare specialists. To mention some, The Patient Navigator Training Collaborative (2020) lists doctors, physician assistants, nurses, pharmacists, technologists and technicians, psychiatrists and recovery counselors, emotional, mental, and moral service personnel, managerial and support personnel, medical students, community health professionals, and patient navigators as members of this diverse group of healthcare professionals. According to the U.S Bureau of Labor Statistics (2020), the number of positions for different healthcare occupations around the globe is estimated to grow over 30% between 2019 and 2029, making it one of the industries with the most opportunities. Healthcare squad direct entire facilities, specific departments, or medical practices and are therefore required to possess several skills (Majid, Liming, Tong & Raihana 2012).

There are two types of skills: hard skills and soft skills. Hard skills are technical skills, comprising academic knowledge, expertise, and practical exposure whereas individuals' attitudes, strengths, qualities, and personal actions are referred to as soft skills. Both, hard and soft skills are equally important for people to be successful in labor market. Candidates with good soft skills and with ability to use them to make a difference in the workplace and to add value to their organization are sought after by employers. (Bora 2015.)

Soft skills are in most cases essential in securing employment, living a good social life, and working. Soft skills are connected to a few words with very similar meanings, which are known as interpersonal skills, life skills, people skills, social skills, and emotional intelligence. People who aspire to become complete professionals not only need academic and technical skills, but also soft skills to meet the goals of organizations. Soft skills are valued highly on most sectors around the globe, and they are required in all professions whether it is business, employment, politics, administration, or service. Lack of soft skills can be a serious obstacle for person's career development and desired promotions. A considerable number of people are not reaching their career goals because of not having adequate soft skills. To put it simple, humans need soft skills to live a happy and fulfilling life. (Bora 2015; Çelik et al. 2018.)



This thesis is a scoping review that will reveal how important soft skills are in health care professions and which types of soft skills are required in healthcare services. The aim of this thesis is to compile previous studies' knowledge of soft skills in health and hospital administrators, as well as other people interested in the health care system. The aim is also to answer the research question and to promote awareness of soft skills among people who work in the healthcare industry.



2 Theoretical background

What are soft skills, exactly? This fundamental question is difficult to address since what constitutes a soft skill varies depending on the setting. Soft skills work in tandem with hard skills to improve a person's interpersonal relationships, job results, and career opportunities. While the technical skills can get you in the house, it is the interpersonal skills that will open the majority of the doors. There is a wide variety of personal characteristics that are critical soft skills for career success, like job ethics, temperament, leadership skills and emotional intelligence to mention few. (Shestakova 2020.)

Soft skills are intangible human traits that help one to flourish in the workplace and achieve professional success in long-term (Daly 2018). According to Collins English Dictionary (2014, s.v. soft skills), "soft skills" refers to a group of personal characteristics, behaviors, attitudes, and social graces that make you a successful employee and compatible to work with. "Soft skills" are described as *"desirable qualities for certain forms of employment that do not depend on acquired knowledge: they include common sense, the ability to deal with people, and a positive flexible attitude"* (Collins English Dictionary 2014, s.v. soft skills). Soft skills include people skills, social skills, communication skills, personality traits, role qualities, emotional intelligence quotients, and other talents, all of which affect our personality and how we are seen by others (Shestakova 2020). Treating patients as individuals rather than just treating their diseases or syndromes is a good example of soft skills. Part of that is explaining things to patients before doing anything, honoring their desires and views, treating them with dignity, being subjective, and encouraging the patient to get involved with decision-making considering their treatment (Van Staden et al. 2006).

Soft skills are needed for many reasons. They are used for self-awareness which means being mindful of the qualities that determine who you are and who you aspire to be. Soft skills also guide in seeing possibilities and choosing between different ones, becoming mindful of the options available, the constraints they impose, and the incentives and pleasure they provide. Soft skills help us to achieve our aspirations. The potential to make informed decisions and strategies based on self–opportunity balance and sound facts is dependable on soft skills. Soft skills also give capacity to assess outcomes, to prepare, and to act to put decisions and aspirations into motion, especially when things are changing. (Shestakova 2020.)



2.1 Types of soft skills

Soft skills can be classified into three categories that are: Personal skills, Social skills, and Methodical skills. Although this kind of categorization has been made, the lists of various soft skills are not fixed as it is hard to conceptualize human characteristics. The skills under different categories also interact with each other. (IONOS 2021.)

- Personal Skills: Personal skills are any abilities that distinguish you as a selfsufficient person, like responsibilities, commitment, motivation, self-discipline, selfreflection, and confidence. A positive and self-aware person can find it easy to inspire others in social situations and this is how personal skills interact with social skills. On the other hand, people who are motivated and dedicated are most likely to learn or develop their methodical skills, so interaction between categories happens there as well. (IONOS 2021).
- 2. Social Skills: Social skills are skills that include social contacts and communication, such as with co-workers, supervisors, clients, and other stakeholders. Some of the social skills are empathy, integrability, communication, receive criticism, and team management. Many managers are interested to find out during job interview whether an employee is a good team player and also pay attention to their way of communication. Of course, professional qualifications count, but in some cases, social skills can make the difference. (IONOS 2021).
- 3. Methodical Skills: Since methodological skills often manifest in functional knowledge, this group is the nearest to hard skills. These skills, on the other hand, are difficult to explain since they are often the first step in learning verifiable hard skills. For example, the soft ability of "presentation skills" is a prerequisite for the hard skill of "PowerPoint" operation, and problem-solving requires both soft and hard skills. Analytic skills, presentation skills, problem-solving skills, and stress resistance are considered methodical skills (IONOS 2021).
- 2.2 Which are the most important soft skills for health care staff?

Communication Skills: Communication is critical in many workplaces, but it is much more so for health care workers. In addition to regularly speaking with coworkers,



health care professionals must speak with patients and their relatives. According to the Institute for Healthcare Communication, a patient's willingness to seek clinical recommendations, self-manage a persistent medical condition, and cultivate preventive lifestyle patterns is closely related to a health care team member's communication skill (Gibert, Tozer & Westoby 2017).

Teamwork: A team player personality is an important characteristic in health care staff. Some areas of health care could be compared with professional sports, with many people coming together to provide care for patients. With the best interests of the patient, everyone must understand how to deal with all other team members. Higher team functioning is related to better patient outcomes, according to a study published in the Journal of the American College of Surgeons (Gibert, Tozer & Westoby 2017).

Empathy: It is important in health care to be able to empathize with patients and consider their challenging conditions. Empathy is often quoted as a central feature of successful, clinical consultations, even though there is no study into its consequences. (Ratka, John & College 2018.)

Adaptability: The word adapt derives from the Latin word adaptus, which means to confirm or enter. Adaptability refers to an individual's ability to blend within an established set of methodologies and work culture when working under the limits of limited resources and meeting needs. Adaptability is often known as the ability to discriminate between what happens objectively and subjectively, to effectively adapt one's feelings, emotions, and actions to the situation, and to consider, describe, and provide viable alternatives. (Sirotiak & Sharma 2019.)

Confidence: The willingness of an employee to take feedback, work under pressure, and even make critical decisions are influenced by their sense of trust. Patients must have faith in their doctor's or nurse's abilities to handle them. Getting the courage to make quick and knowledgeable decisions, whether at the bedside or in the operating room (OR), is critical to a patient's survival and rehabilitation. (Carrington College Blog 2019.)

Time Management: When engaging with patients and their team, healthcare practitioners must show the ability to effectively handle their job duties as well as maintain a relaxed and respectful attitude. This requires ability to prioritize everyday workload and



efficiently perform several tasks at the same time. In the medical profession, lives depend on timelines. (Carrington College Blog 2019.)

2.3 How to develop soft skills and how to strengthen them?

Personal development is described as the acquisition of life skills, or the abilities needed to live a good life. In addition to one's career area, a comprehensive curriculum necessitates the learning of "soft skills" such as integrity, emotional intelligence, vocabulary, and conversation, as well as legal and management dimensions. As a result, in this era of globalization, where skilled healthcare personnel are in short supply, and doctors may be called upon to share their ideas and expertise across cultures and continents. This can only work if they can communicate effectively. Personal development has become a value-add for health care professionals, among others. (Nitonde, Rohidas & Vijaya 2004.)

Being receptive to feedback from clinicians, coworkers, and patients is an important aspect of developing soft skills. When people are open to receiving input, they are more able to accept positive advice and use it to enhance their job performance, including soft skills. Feedback on communication skills, group work capacity, time management, and leadership potential should be valued and used for one's own advantage. (Indeed 2021.)

Collaboration with others is the foundation of teamwork. Teamwork may be done in a group setting, or independently with another coworker to accomplish a joint task. Allowing every team member to contribute their fair share during a team project or day-today responsibilities and acknowledging and celebrating the group's diverse skills and personalities is a key to successful teamwork. Working in a well-functioning team provides great learning opportunities to all team members. (Indeed 2021.)

Building positive relationships with coworkers is important, and this can be achieved by having open and frank conversations about leisure time plans and activities, families, and interests. Finding similarities in one's life and history with their coworkers build good relationship, which then again affects to working atmosphere, trust, and fluency of work. (Indeed 2021.)



Experimenting with new things and moving out of your comfort zone is important for new roles, new settings, or new leadership. In the workplace, putting oneself in unfamiliar territory will demonstrate to colleagues how seriously you take your job and how eager you are to learn something new. This kind of courage also exposes you to learning new things and to developing. (Indeed 2021.)

3 The Purpose, Aim, and Research Questions

The purpose of this study is to raise awareness of soft skills among people who are involved in the health care sector.

The aim of this thesis is to collect information about soft skills and their importance in health care sector. The aim is also to compile knowledge of soft skills in health and hospital administrators, as well as other personnel interested in the health care sector from previous studies.

The PICO model was used to formulate the research questions for this initiative (Table 1). This creates a clear context for generating research questions. PICO employs the presence of four elements: The letters P stand for Problem/Population, I for Intervention, Co for Context, and O for Outcome (Huang, Lin & Demner-Fushman 2006).

The research questions for this scoping review are:

- 1. Why is it essential for the health care (Co) system personnel (P) to develop (O) soft skills (I)?
- Could the soft skills (I) be helpful in health care (Co) to eliminate the gap (O) between the hospital staff and the patient (P)?
- 3. Could the patient (P) get better services (O) and the health care staff (P) get higher job satisfaction (O) in health care (Co) through soft skills (I)?

Table 1. To convert these questions to an answerable, use the PICO method as follows.

PICO	Question 1	Question 2	Question 3
P: Problem/Population	personnel	hospital staff, patient	Healthcare staff, patient
I: Intervention	soft skills	soft skills	soft skills
C: Context	health care	health care	health care
O: Outcome	development	eliminating the gap	getting better services
			and getting higher job
			satisfaction



4 Research Methodology

A literature review is a research study that aims to comprehend and analyze literature on a particular subject. Finding, filtering, and categorizing research papers is a methodical and systematic procedure. (Bergh et al. 2014: 5; Cimatti 2016: 97.) It expands on the theoretical interpretation of literature and assesses the current hypothesis. It also allows understanding and perception of the situation in a big picture (Heckman & Kautz 2012: 453.) This thesis is a scoping review, and it carefully and thoroughly searches and compiles the recent research that has been carried out on the concerned topic, soft skills in health care sector. According to Pham et al. (2014) scoping reviews aim to recognize and gather all relevant studies published of certain topic and map the core of it.

4.1 Data search and selection

The process of doing a literature review is divided into many stages. Following the formulation of the research questions, a comprehensive data search is conducted. The aim is to collect all relevant scholarly papers to discuss the subject. In system data queries, all search results must be examined and this process must be documented in detail. (Cimatti 2016: 97; Jain & Anjuman 2013: 33; Osman et al. 2012: 51; Prodanovic 2014: 8.)

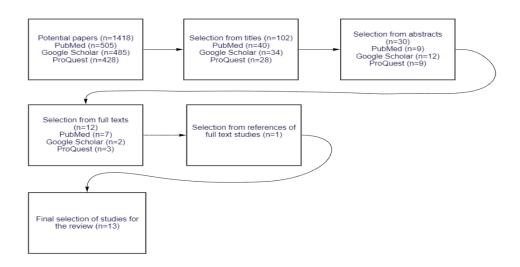
When doing a scoping review, the final papers selected to the review are chosen by comparing them to inclusion and exclusion criteria shown (Table 2). The papers are validated at the title -, abstract -, and full-text levels. (Lee Keng Ng 2020.) Criteria for inclusion and exclusion is very important as it gives the reader a clear idea on which basis the studies were decided to include in the review. It also works as clear guideline when analyzing the search results and determines whether to include or exclude a study from a review. (Peters et al 2020.) The requirements for inclusion and exclusion must be explained clearly and thoroughly. Criteria should therefore be realistic and relevant to the study questions or subject at hand. Systematic mistakes are avoided by using comprehensive inclusion criteria. (Lee Keng Ng 2020.) The inclusion and exclusion and exclusion criteria shown in Table 2 was created before doing the data search.

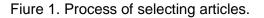


Table 2. Inclusion and exclusion criteria

Criteria for inclusion	Criteria for exclusion
Articles released between 2017-2021	Articles published before 2017
Publications in English	Other languages than English
Peer-reviewed articles	Not peer-reviewed
Academic journals, qualitative reviews, nonstandard source of information	Dissertations
Free access articles addressing research questions	Articles not addressing research ques- tions

To begin the data search process a pilot search was conducted. This was designed to get a deeper understanding of the available information on the final project topic and to make the final data search more effective. A pilot search was conducted before the final data search using a mixture of search terms: *soft skills* and *healthcare*. The databases used for pilot search were ProQuest, Elsevier, ScienceDirect, PubMed, Cinahl, and Google Scholar. The search results were limited to studies published earliest in 2017. This was done to see whether there is enough data available in recent studies, or if the timeline must be expanded for the final data search. On a basis of the pilot search, ProQuest, PubMed, and Google Scholar were selected as databases to be used in the final data search. Also, it was decided to limit the search to studies published on 2017 and after.







The final search was done during February 2021. The following keyword combinations were used in the final search: *soft skills, health care,* and *soft skills for health care.* PubMed gave 505 hits, Google Scholar 485 hits, and ProQuest gave 428 hits with search terms health care and soft skills, and their combinations. Detailed description of the searches is shown in Appendix 1. Data search. A total of 1418 articles about the topic were found with the keywords used. The analysis of the studies was based on the inclusion and exclusion criteria that is shown in Table 2. Process of selecting articles for the review is shown in Figure 1. First, the papers were analyzed further at the title level and relevant studies were selected to be analyzed on abstract level (n=102). From analysis of abstracts (n=30) studies were included to be read on full-text level. After reading all 30 papers carefully, a final decision was made based on inclusion and exclusion criteria. 12 papers were selected from full-text analysis and one study that was found in references of full-text articles. As a result, 13 papers were selected to be included in the review.

The quality of the studies was evaluated with different tools for different study design. Selected studies included seven qualitative studies and to assess their quality JBI Critical Appraisal Checklist for Qualitative Research was used. All studies showed good quality from 70% to 100% and were accepted to include in this thesis (Appendix 4). Selected studies also included four quantitative studies and EPHPP Quality Assessment tool for Quantitative studies was used to evaluate them (National Collaboration Centre for Methods and Tools). This evaluation proved all four studies strong quality and based on this they could be included to this study (Appendix 5). Reviews were assessed with JBI Critical Appraisal Checklist for Text and Opinion (JBI) and evaluation proved all 3 studies good quality (Appendix 6). So, in the end all 13 articles were included to the study.



5 Results

Papers included to this review are from between the years 2017 to 2021. Many of the excluded articles had shortcomings in terms of grammar, text availability, and study queries. Also, many studies were left out because of limited access full text articles. Mostly the reason for exclusion was that the content of article did not provide answer to set research questions. The soft skills for health care practitioners were well outlined in the selected papers. The studies were conducted in 9 different countries across the globe as Figure 2 presents. The studies mainly consisted of analyses, experimental case studies, and key soft skills issues for the healthcare staff. The full description of selected studies can be seen is Appendix 3.

The selected studies were carefully read repeatedly and concentrating on finding information that answers the research questions. The findings were then summarized in narrative way to answer research questions.

Total Number of Studies Included to The Review (n=13)		Country of Origin USA (n=3), Jordan (n=2), Ghana (n=1), South Africa (n=2), Netherlands (n=2), Australia (n=1) and India (n=1)		Main Category 1. Soft skills intervention 2. Soft skills helpful in health care 3. Health care and soft skills intervention - Positive effect - Negative effect
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Figure 2. Overview of the selected studies.

5.1 Need for developing soft skills

The first research question was: Why is it essential for the health care system personnel to develop soft skills? The reviewed studies highlighted many reasons to support this.

Since soft skiils include a wide range of personal abilities, such as analytical thinking, social aptitude, organizational skills, leadership abilities, and ethical attitudes, healthcare workers must improve them as these skills are essential in their everyday work (Bergh et al. 2014; Cimatti 2016; Heckman & Kautz 2012; Tulgan 2015). soft skills



are required for personal, professional, and organizational success (Cimatti 2016; Jain & Anjuman 2013; Osman et al. 2012; Platt 2008 & Prodanovic 2014). According to wats and Wats (2009), hard skills account for just 15% of a person's accomplishment, while soft skills account for the remaining 85%. Soft skills are critical for productivity and manpower quality as well as customer experience at the organizational level (Tul-gan 2015).

The four most important categories of skills needed for healthcare leadership are communication, problem-solving, organization, and self-evaluation, according to Taylor et al. (2002). IOM (Institute of Medicine) (2011) supports this perspective by arguing that seasoned healthcare professionals who cultivate high levels of leadership skills are best able to highlight patient needs, contribute to lower mortality rates, and effectively empower and guide healthcare personnel.

5.2 Soft skills are helpfu in Health Care

When referring to the second research question Could soft skills be helpful in health care to eliminate the gap between the hospital staff and the patient? As soft (service) skills become more important, there is growing fear that healthcare workers are struggling to offer compassionate care (Dyson 2018; Pearson & McLafferty 2011). After 100 unannounced hospital checks in 2011, one of the most often reported issues, according to the Care Quality Commission in the United Kingdom, is workers referring to patients dismissively or disrespectfully (Dean 2012). Although expertise and experience are essential, according to Giordano (1993), what surgical patients needed was facts and proof that healthcare workers cared. According to survey of 139,830 surgical patients, the following qualities of health workers are significant to them:

- There was a lot of friendliness and promises.
- Patients' personal and unique interests are taken into consideration.
- Concern for the privacy of patients, as well as attention to hospitalization, is inconvenient.
- Informing the whole family of the patient's diagnosis or treatment.



• Tests and therapies are discussed.

Weigand (2013) affirmed that the philosophy of health care packges (practices to attain health outcomes) has evolved from patient treatment to client loyalty, which included empathy and consideration for patients, twenty years after Giordano's (1993) research. Even in the emergency room, the initial greeting and nature of the healthcare workers-patient relationship will set the tone for the rest of the stay.

The concentration on soft skills has continued unabated over the decades. Beyond technological advances, the emphasis of healthcare services shifted to improving service efficiency. (Weng et al. 2016.) There were requests to enhance patents' and family members' interactions by improving everyday contact, responding quickly to call bells, and immediately responding to pain relief (Drumm 2006). Even those who have never received long-term health care, either as patients or as family members of inpatients, consider the importance of soft skills. So, in this context soft skills are very important for establishing good relationship between the patients and health care staff.

5.3 Healthcare and Soft skills

Third research question was: Could soft skills help patients get quality treatment and health care workers experience greater job satisfaction? Professional skills are considered the most important aspect of health care for health care staff. In particular, health care facilities put a strong focus on the growth of these abilities, although comprehensive training in successful teamwork and communication is often overlooked (Leonard 2004). Communication, teamwork, and delegation are sometimes dismissed as "soft skills," ignoring the fact that the majority of unintended medical mistakes are caused by a breakdown in caregiver communication. Interdisciplinary collaborations are increasingly being used to provide health care, and responsibilities must be delegated according to human expertise and area of experience. Healthcare staff must be able to collaborate and communicate with all members of the medical staff, and they are increasingly required to be adept at delegating to support staff, whose jobs they are primarily responsible for. The creation of an atmosphere that facilitates patient practice could have been supported by the innovations unit's group norms, which include direct collaboration, appreciative vocabulary, approachability, cooperation, transparency, and loyalty, so undoubtedly soft skills are helpful in terms of the patients' service. (Ray & Overman 2014.)



Job satisfaction is defined as "a pleasurable or positive emotional state resulting from the appraisal of one's job or job experences" (Locke EA 1976). Health care professionals' job satisfaction has been attributed to structural and relational empowerment (Larrabee et al. 2003; Laschinger, Finegan, Shamian & Wilk 2001). Employee experiences of empowering circumstances in the workplace, such as access to knowledge, getting help, having the skills needed to do the job, and having the ability to learn and improve, are all linked to structural empowerment (Kanter 1993). Psychological empowerment, on the other hand, is a multifaceted framework comprised of four cognitions that define a person's attitude toward his or her work. To put it another way, the importance of a work goal, integrity (an individual's belief in their ability to complete job requirements), self-determination (autonomy or authority over work behavior/processes), and effect (the degree to which an individual can affect work outcomes) are the four cognitions. (Spreitzer 1995.)

Employees who are psychologically empowered and happy with their jobs are more likely to feel dedicated to their jobs, which leads to higher levels of success, according to studies (Leggat, Bartram, Casimir & Stanton 2010). So, directly and indirectly soft skills affect the job satisfaction of the healthcare staff.



6 Discussion

The importance of soft skills in general in health care professions is undoubtedly very important, could be even said that it is critical. A health care professional cannot simply perform well as a whole if they do not have soft skills. It is possible of course to perform treatment procedures and care tasks technically right but if the human touch is missing, the experience the patient receives is not whole and satisfying. According to Taylor et al. (2002) the four most important categories of skills needed for healthcare leadership are communication, problem-solving, organization, and self-evaluation and IOM (Institute of Medicine) (2011) supports this perspective by arguing that those health care managers with great soft skills are best able to highlight patient needs, contribute to lower mortality rates, and effectively empower and guide healthcare personnel. Also, Ray and Overman (2014) state that most of the mistakes in health care operations happen because of misunderstandings and unclear communication. So, the importance of soft skills does not only show on mental level, but also in physical quality and results of care.

6.1 Teamwork and communication

Teamwork skills were highlighted throughout the study. Review studies supported what was already said in theory part that teamwork skills are essential for interdisciplinary team to perform well, for example in an operation. Good teamwork skills also enhance the general atmosphere at workplace and builds trust, and that is why training for those skills should be provided for health care professionals, especially to the ones that work in health business management (Abraham, Stewart, & Solimeo 2021; Al-Araidah et al. 2016).

Teamwork is tightly connected to communication skills because team cannot function without proper communication. Communication issues come many times with many problematic causes. Unclear communication between health care staff when changing shifts can have serious consequences if person who is starting their shift has missed important information on some patient's care and status. People should also put effort on face-to-face communication and not just leave it to computers (Abraham, Stewart, & Solimeo 2021), because patient's status might have those important small details and elements, that patient records might not include. Lack of communication causes uncertainty and mistakes among staff and feeling of mistreatment on part of patients and



their families (Al-Araidah et al. 2016). In health care professions it is very important to communicate clearly all the time with patient and their families so that they know what is going on and they can participate and have opinion on their care and treatment. For health care students as well as for any health professional good teamwork and communication inside the team provides safe work environment and great learning opportunities (Bergh et al. 2006).

6.2 Health care professions as service professions

In history people went to hospitals to get treated and doctors ordered what they thought was the best. The role of a doctor and also other health care professionals has dramatically changed in last decades. Now people working in health care professions are in service professions. Patients are and should be seen and treated as customers, who have their own will and opinion of their health. This has probably somehow made the role of health care professionals more complicated, as they now have to discuss with patient and many times with their family about treatments, care, operations and medications. Everyone has internet on their phone and tablets and have easy access to all kind of information. This easily makes patients feel like professionals of their own health, which might be often frustrating for real health care professionals.

This situation requires advanced level of soft skills from nurses, doctors, and other professionals. They need to be able to adapt to this changing world and work environment. But this is not only negative issue. It is highly important that health care professionals take time to listen the patient carefully, not just superficially. This is many times challenging in busy schedules of hospitals and care centers. But it makes a big difference on the level of quality of the care the patient experiences.

6.3 Research process

The process of doing this review was challenging as it was the first time, I conducted any kind of literature review. After getting a hold on the process and after the pilot search, choosing the databases and doing the final search went well. As a method scoping review was good, because it does not have so many limitations on behalf of type of studies that can be included to the review. Somehow it was still confusing because Metropolia university of Applied Sciences had some other requirements for thesis that were not included in requirements of scoping review. These were quality evalu-



ation and systematic content analysis, that is missing from this study and instead the results are presented in narrative way.

The topic itself was inspiring and it was not too difficult to find enough suited studies to include in the review. Although, soft skills might be many times considered obvious, lack of them or issues with them still often are highlighted in the research of patient's and health care staff's opinion and experience.

6.4 Considering Ethical Issues

This study is a scoping literature review and so the research doesn't include handling sensitive information that would need ethical consideration. The studies that were selected to this thesis went through quality assessment that included assessment of ethics in a little bit different way for different study designs.

Although the quality assessment included parts that evaluate possible bias, all selected studies did not include clear description of them. This might cause bias to this review as well. Also, the fact that studies in English language were the only ones excepted to this review, might cause bias.

The research was conducted in transparent way and all steps of data search were documented in detail. This makes it possible for anyone to repeat and review the results of the data search and through data the results of this thesis.

The author has no conflict of interest in this study and there was no funding for this study.

6.5 Study Limitations

Limitations are events or circumstances that occur in a sample that are beyond the researcher's influence. Furthermore, they narrow the scope of an analysis which may often affect the outcome and conclusions that can be made. Any analysis has limits, regardless of how well it is performed and constructed. Furthermore, this is one of the reasons we avoid using the words "prove" and "disprove" when discussing research results. It's still likely that further testing will call into question the relevance of some theory or study inference (Wiersma 2000: 212).



For this study data collection was used on the basis of general healthcare workers or patients for selected area or for selected institutions in previous study. But after analyzing the data, which was collected, it showed that in every situation different soft skills are used to be applied and most common skills are also required to handle the uncertain load.

Validity is considered in the limitations of qualitative research. "Because qualitative research takes place in a natural environment, replication is exceedingly difficult to replicate studies" (Wiersma 2000: 211). To identify the validity basic soft skills like communication, team work, emapthy and many more are consider for identify the qualitative research.



7 Conclusion

The results of this thesis show that healthcare workers grasped the general idea of soft skills but lacked a systematic understanding of what it means. The study's findings also show that healthcare workers need to be trained in social skills, as this would increase their job success in the clinical setting and the way they interact with patients. Soft (service) skills are important for the effectiveness of health care orgnanizations and practitioners, in addition to the treatment recipients, who are patients and their families.



List of studies included to this scoping review

- 1. Abraham, T., Stewart, G., and Solimeo, S. (2021) The importance of soft skills development in a hard data world: learning from interviews with healthcare leaders. *BMC Medical Education*, *21*(1), 1–7.
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- 3. Al-Araidah, O., Al Theeb, N., Bader, M. and Mandahawi, N. (2016). A Study of Deficiencies in Teamwork Skills among Jordan Caregivers. *International Journal of Health Care Quality Assurance Omar Al-Araidah*
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Appendix 1. Data search

Database	Search terms	Timeline	Hits
Google Scholar	Soft skills, health care, soft skills for health care	2017-2021	485
PubMed	Soft skills, health care, soft skills for health care	2017-2021	505
ProQuesr	Soft skills, health care, soft skills for health care	2017-2021	428



Appendix 2: Description of search process

<u>Database</u>	Keywords and their combinations	Search result	Selection from abstracts	Final selection from full texts	
	Softskills, Healthcare,				
Google Scholar	Softskills for Healthcare	485	34	4	2
	Softskills, Healthcare,				Ĩ
PubMed	Softskills for Healthcare	428	40	10	7
	Softskills, Healthcare,				Ĩ
ProQuest	Softskills for Healthcare	505	28	5	3
Total		1418	102	19	12
Added s	tudies from selected full tex	t articles' refere	nces		1
Total					13



Appendix 3: Description of studies

	Country		Design		Main results
	Ghana	The quality of nursing care rendered today is markedly reducing and	The study was conducted in one of the five nursing training	A quantitative research design with descriptive and explorative	The results indicated that a majority (68.8%) of respondents understand the response of coff skills and arrend with the definition
M., (2017.) Nursing students' perceptions of		the amount of time spent with patients listening to and explaining issues concerning their conditions is gradually diminishing. The	colleges in the Upper East Region of Ghana. The population comprised the second- and third-year students of the	strategies was used. One hundred and ten nursing students were sampled after permission to conduct the study was requested and	understood the concept of soft skills and agreed with the definition 'soft skills'. They furthermore agreed that soft skills should be part
students' perceptions of soft skills training in		issues concerning their conditions is gradually diminishing. The therapeutic touch and the listening ear of the nurse are no longer			"soft skills". They furthermore agreed that soft skills should be par the training that student nurses receive during their professional
Shana		accessible to the patient. Understanding what non-technical skills are		addition from the officially of what are not a contracted	training.
		and their relevance for healthcare practitioners has become a new	selected this institution because it had students from all		-
		area of consideration. Although recent literature has highlighted the	regions of Ghana.		
		necessity of introducing soft skills training and assessment within medical education, nursing education is yet to fully embrace this skills			
		medical education, nursing education is yet to fully embrace this skills training.			
Schurink, W. J., Krüger,	Pretoria	Following the introduction of a new, integrated, problem-oriented	The aim of the study was to explore the subjective meanings	This paper describes the aim of the study, reasons for adopting a	The modernist qualitative research approach enabled us to unco
C., Bergh, A. M., Van Staden, C. W., Roos, J.		undergraduate medical curriculum at the University of Pretoria (UP) In 1997, a research project was undertaken to study interpersonal	that students attributed to soft skills, as they understood them. These subjective meanings involve the way students	qualitative research approach to achieve this aim, the theoretical orientation underpinning the qualitative approach that we considered	describe and illuminate the subjective points of view on soft skills expressed by final-year medical students before and after curricu
L. Pickworth, G. E		skills, professional attitudes, teamwork, ethics and related topics –		most suitable, the design, the sampling, the data management and	reform. More specifically, by carrying out an extended case study
Lindeque, B. G. (2006).		which have come to be known collectively as 'soft skills'. This	other individuals participating in the medical and clinical		were able to perform a process evaluation of the curriculum refo
Medical students'		contribution is the first of two articles on the professional socialisation	education programme, and the way they construct shared	the findings.	in terms of soft skills and the professional socialisation of the stud
perceptions of their		of medical students and their development of 'soft skills'. It describes			This paper outlines how qualitative research methods enabled us
levelopment of 'soft kills' part I: A		the particular qualitative methodology developed for, and applied to, the study of soft skills among medical students at UP.	their lives and social world. A qualitative approach was considered most appropriate, as this study set out to		capture and explore aspects of the inner life (social worlds) of the students. Whether they would be the same, similar or different i
part I. A		the study of sort skins among medical students at OP.	uncover subjective and diverse meanings that do not		another setting are questions for further exploration or research
nethodology.			necessarily amount to generalisable truths. The particular		questions prompted by our study in a manner that illuminates th
			qualitative strategy or design used was that of an extended		qualities that may be inherent in these subjective meanings.
			case study, or 'casing', within the modernist theoretical orientation of symbolic interactionism. Elements of process		
			evaluation were incorporated into the design to account for		
			the process of curriculum reform within which this study		
			was embedded.		
Reference *	Country Country	Aim an purpose This paper reports on medical students' views on the ways in which	Design Symbolic interactionism was chosen as the theoretical	As symbolic interactionism was used as the theoretical framework to	Main results The views on the development of soft skills differed very little
itaden, C. W., Joubert,	Pretoria	This paper reports on medical students' wews on the ways in which their 'soft skills' were developed. It is the result of a study on soft skills		guide the research, qualitative methods were used to collect the data.	between the traditional and reformed curriculum groups, excep
(rüger, C., Pickworth,		among two groups of students before and after curriculum reform at	the exploration of how medical students saw and defined	A purposive-theoretical sample of 42 final-year medical students from	students who had followed the reformed curriculum felt more
5. E., Roos, J. L., Indeque, B. G. (2006).		the School of Medicine of the University of Pretoria. One of the aims of the reform was to provide more teaching and learning opportunities		the traditional curriculum and 49 from the reformed curriculum was recruited. Data were collected by means of focus groups, individual in-	prepared through the increased teaching and training efforts. Further consideration needs to be given to the intention of the
Medical students'		for the development of soft skills. Soft skills include professional	comparison of their weverspringers of solid statis-	depth interviews and autobiographical sketches.	changed curriculum compared to the actual effect. The way in
perceptions of their		interpersonal and social skills, communication skills, and professional		1 CONTRACTOR (1999) 1 CONTRACTOR (199	the participants in the study described their development of sof
development of 'soft skills' part II: The		and ethical attitudes.			could be categorised as a complex interplay between 'being' an 'becoming'. Instead of using the word 'acquisition' of soft skills,
development of 'soft					'development' seemed to be more appropriate. The metaphor
kills' through 'guiding					'guiding' and 'growing' also captures the development of these
ind growing."					better than the terms 'teaching' and 'learning'.
aylor, J., Hertsenberg,	USA	The purpose of this study is to describe the nursing students'		As part of the course requirements, students completed an eight item question confidence survey before and after the diabetes camo related	Overall, perceived confidence levels increased after completing
., McQuillan, M., D'Connell, A., Shoe, K.,		experience and perceived confidence after completing a service learning nursing course.	reflection and a perceived confidence questionnaire.		from the qualitative analysis: pre-camp assumptions and fears,
Calamaro, C. J.				patients, families, and healthcare professionals. Within 48-72 h after	growth in confidence, understanding diabetes management in t
2018). Effects of a ervice earning				diabetes camp, the students completed the	community, and appreciation for learning beyond the classroom
ervice earning experience on				reflection paper. The pre and post Confidence Surveys were analyzed using a t-test and thematic analysis was used to analyze the reflection	hospital setting. Conclusions: This service learning course provid nursing students the ability to not only develop diabetes clinical
confidence and clinical				paper.	and perceived confidence, but also life skills including teamwork
kills in baccalaureate oursing students.					leadership, and conflict resolution.
and statements.					
Ng, L. K. (2020). The	Singapore	Nursing education has transformed over time. While this is particularly		This exploratory research made use of non-probability sampling	Based on quantitative data, patients and family members rated
perceived importance of soft (service) skills in		evident in the integration of technology in pedagogy, it is not evident whether the training of soft (service) skills has also evolved effectively.	since Um and Tang's study in 2000, made this particular research project warranted and timely in Singapore. The	technique. A total of 35 potential participants (researcher's personal contacts) were invited via email to participate in the online survey, on a	soft (service) skills of reliability and responsiveness to be highly important for nursing care. Additionally, the participants' qualit
nursing care: A		Though soft (service) skills are much less tangible than technology,	main objective was to determine how soft (service) skills	voluntary basis in February 2019. The personal contacts comprised the	comments pointed toward the importance of empathy, assuran
esearch study.		they are perennially relevant and important for nursing care which is essentially people-oriented.	were being perceived by patients and their family members.	 researcher's friends and acquaintances who have the English language proficiency to participate in the survey. 	and responsiveness. The conclusion was that besides knowledge acquisition and technical competency, nursing currie
		essentially people on enced.		pronoency to participate in the survey.	could explicitly incorporate more soft (service) skills to enhance
2					care standard.
Reference *		Aim an purpose 🔹	Design	Data and methods	Main results
odia, S., & Agarwal, 1 (2017). Employability	india	Employability Skills are identified as one of the valuable policy tools to upgrade mobility and earnings. Organization's employees are required	It is the systematic and methodical process of searching, filtering, and classifying research papers.	They used to find the paper based on titel , abstact and based on content. After ward justify the identify final 25 paper which are	They represents the nine skills viz. Communication skills, ICT sk Work Psychology skills, Teamwork skills, Interpersonal skills, Cri
Ils Essential for althcare industry.		to possess the knowledge and skills for increasing the organization's		corelate with the employability skills	Thinking and Problem Solving skills, Self-management skills, Pla and organizing skills and Conceptual and Analytical skills were
entrearte interarriy.					
		performance and competitiveness. This research paper is an attempt to find the major employability skills needed			
and the state	landan	to find the major employability skills needed in medical service vertical of the Healthcare Industry.		und	identified, which are the backbone of any successful organizati
der Al Theeb,	lordan	to find the major employability skills needed in medical service vertical of the Healthcare industry. The paper presents a study of deficiencies in teamwork skills at Jordan hospitala as seen by team members. The study aims to identify training	deficiencies in teamwork and team leadership at Jordan	With a response rate of 78.8%, statistical analysis of collected data of opposing staff members revealed low levels of satisfaction (40.7 – 48%	identified, which are the backbone of any successful organizat Several studies investigated relationships between teamwork and quality of care in many countries. To authors' knowledge,
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1	Reference ×	Country *	Aim an purpose	Ŧ	Design	Data and methods 🛛 👻	Main results
	Messum, D., Wilkes, L.,	Australia	For the purposes of this research employability skills were defined as		Health services management specific employability skills	The survey included four Likert scales for interpersonal and	There were no statistically significant differences in mean scores for
	Peters, C., & Jackson,		skills "not only to gain employment, but also to progress within an		perceived to be important by managers and recent	communication skills, self management skills, critical analysis skills and	importance of all critical thinking skills items. Furthermore, manage
	D. (2017). Senior		enterprise"		graduates working in the field and their perceptions of skills	job specific skills. Individual employability skills items were gleaned from	and recent graduates exhibited almost identical rank ordering with
	managers' and recent				they need to improve are not readily available in the	the literature and from our study of 100 job advertisements for HSM	priority setting, planning skills and independent
	graduates' perceptions				literature. This research acknowledges the context specific	positions in two major NSW newspapers.	thinking the top three, all rated as important to very important.
	of employability skills				nature or employability skills.		
	for health services						
13	management.						
	Hendarman, A. F., &	Germany	This paper contributes to the literature on skills and innovativeness of	of	Cross-sectional data of Indonesian firms from different	The survey was conducted as an on-line question naire for which about	Soft skills have a stronger relationship than hard skills with
	Cantner, U. (2018). Soft		employees at the individual level. Based on a properly designed		industries are used from an online survey on manager and	1000 firms of different sizes and from different industries in Indonesia	innovativeness, since the estimated coefficient of correlation is
	skills, hard skills, and		empirical analysis, the findings improve our understanding of the		worker per ceptions related to individual innovation	were approached. The contact addresses were acquired from various	always higher in all models.
	individual		relation between soft skills, hard skills and individual innovativeness.		performance on the one hand and indi vidual skills on the	sources such as the Internet and researcher network databases.	
	innovativeness.				other hand.	Reminding respondents to fill in the questionnaire was an essential part	
						of the survey. On average, each firm was reminded by e-mail three to	
						five times in the period of one month.	



Appendix 4: Quality assessment- Qualitative studies

											(Not icable		
JBI Critical Apprais	al Checklis	st for qua	itative res	earch		Y(Yes)	N(No)	U	(Unclear))		
I. Is there congruity between the stated philosophical perspective and the research methodology? Is there congruity between the research methodology and the research							6. I:	s there a s	tatement	locating th	e researcher culturally	or theo	retically?
uestion or objectives?							7. I:	s the influe	ence of th	e research	er on the research, and	vice- ve	ersa, addressed?
 Is there congruity between the research methodology and the methods used to collect data? 							8. A	ve partici	pants, and	their voic	es, adequately represe	nted?	
. Is there congruity betwe epresentation and analysis of d		earch me	thodology	and the							g to current criteria or, n appropriate body?	for rece	nt studies, and i
5. Is there congruity between the second se second second sec	en the res	earch me	thodology	and the				the conc tation, of t		awn in the	research report flow fr	om the	analysis, or
nterpretation or results:							Interpre	ation, or t	ine uata:				
Reference	Q1	Q.2	Q3	Q4	Q5	Q6	Q.7	Q8	Q9	Q10	Total		DECISION
Schurink, W. J., Krüger, C., Bergh, A. M., Van Staden, C. W., Roos, J. L., Pickworth, G. E., Lindeque, B. G. (2006). Medical students' perceptions of their development of 'soft skills' part I: A qualitative research methodology.	Y	Y	Y	Y	Ŷ	Y	Y	Y	Y	Y	10 X YES		INCLUDED
Bergh, A. M., Van Staden, C. W., Joubert, Krüger, C., Pickworth, G. E., Roos, J. L., Lindeque, B. G. (2006). Medical students' perceptions of their development of 'soft skills' part II: The development of 'soft skills' through 'guiding and growing.'	Y	Y	Y	Y	Y	Ý	U	Y	¥	Y	9 X YES, 1 X UNCLEAR		INCLUDED
Saylor, J., Hertsenberg, L., McQuillan, M., O'Connell, A., Shoe, K., & Calamaro, C. J. (2018). Effects of a service earning experience on confidence and clinical skills in baccalaureate nursing students.	Ŷ	Y	Y	Y	Ŷ	Y	N	Y	Ŷ	Y	9 X YES, 1 X NO		INCLUDED
Al-Araidah et al. (2016). A Study of Deficiencies in Teamwork Skills among Jordan Caregivers.	Y	Y	Y	Y	Y	U	U	Y	N	Y	7 X YES, 2 X UNCLEAR, 1		NCLUDED
Abraham, T. H., Stewart, G. L., & Solimeo, S. L. (2021). The importance of soft skills development in a hard data world: learning from interviews with healthcare leaders	Y	Y	Y	Y	Y	U	U	Y	Y	Y	8 X YES, 2 X UNCLEAR	17	NCLUDE
Hendarman, A. F., & Cantner, U. (2018). Soft skills, hard skills, and individual innovativeness.	Y	Y	Y	Y	Y	U	Y	Y	U	Y	8 X YES, 2 X UMCLEAR	11	NCLUDE
Ng, L. K. (2020). The perceived importance of soft (service) skills in nursing care: A research study.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	10 X YES	11	NCLUDE



Appendix 5: Quality assessment- Quantitative studies

The "Quality Assessment Tool for Quantitative Studies" developed by the Effective Public Health Practice Project (EPHPP)													
withdrawals interventi selection study data collection and on													
Reference	bias	design	confounders	blinding	methods	dropouts	integrity	analysis	Total	Result	S(Strong)	M(Moderate	W(Weak)
Laari, L., Dube, B. M., (2017.) Nursing students' perceptions of soft skills training in Ghana	м	s	w	W	s		-	м	STRONG	INCLUDED)		
Messum, D., Wilkes, L., Peters, C., & Jackson, D. (2017). Senior managers' and recent graduates' perceptions of employability skills for health services management.	M	s	W	w	s	-	M	s	STRONG	INCLUDED	,		
Ng, L. K. (2020). The perceived importance of soft (service) skills in nursing care: A research study.	w	s	W	w	s	-	-	s	STRONG	INCLUDED			
Weggelaar-Jansen, A. M., & Van Wijngaarden, J. (2018). Transferring skills in quality collaboratives focused on improving patient logistics.	м	М	w	W	s	-	-	s	MODERATE	INCLUDED	, ,		



JBI CRITICAL APPRAISAL CHECKLIST FO TEXT AND OPINION	2
1. Is the source of the opinion clearly identified?	4. Is the stated position the result of an analytical process, and is there logic in the opinion expressed?
2. Does the source of opinion have standing in the field of expertise?	5. Is there reference to the extant literature?
 Are the interests of the relevant population the central focus of the opinion? 	6. Is any incongruence with the literature/sources logically defended?

Appendix 6: Quality assessment- review articles

Reference	1	2	3	3 4	5	6	TOTAL	RESULT
AbuJbara, N. K., & Worley, J. A. (2018). Leading toward new horizons with soft skills.	Y	Y	Y	U	Y	U	4 X YES, 2 X U	INCLUDED
Sisodia, S., & Agarwal, N. (2017). Employability Skills Essential for Healthcare Industry.	U	Y	Y	Y	Y	Y	5 X YES, 1 X U	INCLUDED
Odongo, C. O., & Talbert-Slagle, K. (2019). Training the next generation of Africa's doctors: Why medical schools should embrace the team-based learning								
pedagogy.	Υ	Υ	Υ	U	Υ	Υ	5 X YES, 1 X U	INCLUDED

