Nursing & Healthcare Congress 2019: Evaluation of the social perception for the use of artificial intelligence applications in the field of health: a qualitative study –Hamiyet - Beykent University, Turkey

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Purpose: The purpose of this study is to evaluate the social perception for the use of artificial intelligence applications in the field of health.

Method: In this study, which focuses on the social perception for the use of artificial intelligence applications in the field of health, qualitative semi-structured interview design was used. The study was conducted between January and February 2019 with 100 individuals who were living in cities in different regions of Turkey, applied for a health institution to get service and volunteered to participate in the study. As the data collection tool, a semi-structured interview form consisting of 11 questions was used. The data were collected by face-to-face interviews and recorded. Audio recordings received during the interview were transcribed into text. The audio recording outputs that were transcribed were analyzed by using the content analysis which is one of the qualitative data analysis methods.

Result: When the answers to what is known about artificial intelligence in the analyzed research data are examined, it was found that the theme of transferring human intelligence to robots was highly prominent and that using machines with artificial intelligence in health services was mostly seen as advantageous. As the advantages of artificial intelligence, the themes such as decrease in the margin of error, performing robotic surgeries, increase in the processing speed and decrease in the work load were determined. It was found that more than half of the participants showed positive attitudes towards including artificial intelligence applications in health services. When the views towards the idea of "accepting getting health care services from an artificial intelligence as a physician or nurse" were examined, it was seen that some views became prominent. According to these views, nursing services can be provided with artificial intelligence technology under the control of a nurse,

but medical applications requiring a physician cannot be performed, and artificial intelligence cannot replace a human since it cannot develop empathy.

Nurses are the largest group of practicing professionals. It is one of the most demanding nursing specialties. A nurse, also referred to as a theatre nurse, specializes in preoperative care which means they provide care to patients before, during and after surgery. Perioperative nurses work closely with Surgeons, Anesthesiologists, nurse Anesthetists, Surgeon's Assistants, Surgical Technologists, and Nurse Practitioners. The healthcare industry has experienced a significant growth over the past few years, especially in the medical field. According to the research reports, the forecast for the UAE spa market was about USD 411 million in 2015. The Global Wellness Institute showed that the Middle East and North African region is the second most rapidly growing spa market in the whole world. The global Nursing market has experienced substantial growth over the last couple of years. This market is expected to grow at a CAGR of 11.6% from 2015 to 2020. The global 0072 Profiling market is poised to reach USD 61.87 Billion by 2021 from USD 25.82 Billion in 2017, at a CAGR of 19.1% from 2017 to 2021. Only the future research efforts will be enhanced by interdisciplinary collaboration and the creation of an international nursing research Centre. The 2018 Market Research Report on Nursing and Residential Care Facilities is a top to bottom assessment of the business and will furnish you with the key bits of knowledge, patterns and benchmarks you have to make an expansive and far reaching symptomatic and comprehension of the business and friends. Over the years, the requirement for administrations gave by nursing care offices is relied upon to develop relentlessly the alongside income. Among the previous five-year time frame, the kept maturing of the

populace has impelled interest for industry benefits as the quantity of grown-ups matured 65 and more seasoned is relied upon to increment. Be that as it may, a temperamental repayment model and changes actualized by medicinal services change have started a move from nursing homes to at-home oversaw care and group mind administrations. Since these administrations are almost finished at home, their development speaks to a potential risk to industry administrators. In the previous year, industry deals were about $238.2 billion. Industry development in the course of recent years, the industry has developed at a yearly rate of 4.1%. Organization development there is 38,615 organizations in the business. Deals per organization in 2016, the normal deals per organization was $6.2 million. The global long term care market size was valued at USD 718 billion in 2015 and is expected to grow at a CAGR of around 6% over the forecast period. The long term care market is expected to boom owing to the aging baby boomers, increasing disabilities, the dearth of skilled nursing staff, government funding, and increased collaborations of private insurers with the government. The eagerness for restorative escorts is required to expand by 2% dependable, all around outpacing the supply by 2020. Just for the specialization, there is all-inclusive energy for unequivocal nursing specialists.

More than 700,000 openings are surmised among now and 2020. In a continuous examination, it is found that Nursing is in the fourth position by considering the rundown of occupations in the US with the most basic number of work openings. Enthusiasm for restorative guardians is foreseen 683,700 to augment by 2% reliably. 90% of the entire arrangement of care working environments need enough nursing workforce to give an essential idea.

Medical caretaker desires to pioneer advance in prosperity practice, the board and preparing according to prosperity equivocalness similarly as a broadness of various topics. The gathering will energize a movement of discussion about driving edge shapes, definitive changes, examination, and advancement improvement inside the prosperity part and the academic world, regarding transformative thought transport and prosperity the official's models.

Conclusion: The study findings showed that the participants mostly exhibited positive attitudes towards the use of artificial intelligence in the field of health, but they were worried that artificial intelligence was a replacement for a physician or nurse.

Key Words: Artificial intelligence, artificial intelligence in health services, artificial intelligence in nursing applications