

Determinant Factors of Interprofessional Collaboration in Labuang Baji General Hospital

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Submission date: 09-May-2023 09:29AM (UTC+0700)

Submission ID: 2088153981

File name: ojsadmin,_370.pdf (378.53K)

Word count: 1973

Character count: 11925

Determinant Factors of Interprofessional Collaboration in Labuang Baji General Hospital

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Abstract

Background: Health services provided to the community were often overlapped among health care professionals. Poor communication may affect the quality of patient care and potentially increase the number of medical errors.

Objective: The study aims to analyze the most determinant factors associated with the implementation of Interprofessional Collaboration (IPC) at Labuang Baji General Hospital.

Method: The study used a cross-sectional design for data collection method. A questionnaire was administered to 291 respondents. The data analysis was performed using a computer program and statistical analysis, namely Univariate analysis distribution (of frequency) and logistic regression.

Results: The results reveal that the determinant factors affecting the implementation of IPC are Communication ($P = 0.000$), Trust and Respect ($P = 0.017$), Administrative Support ($P = 0.000$), Culture ($P = 0.000$), Law and Regulations ($P = 0.001$), and Finance ($P = 0.000$).

Conclusion: An effective communication with other healthcare teams in the implementation of IPC leads to effective and safe healthcare services at Labuang Baji General Hospital, Makassar. Based on this reason, a policy is needed to improve the implementation of IPC in Labuang Baji General Hospital.

Keywords: health care services, Interpersonal Collaboration, individual competence.

Introduction

An efficient Interprofessional Collaboration (IPC) provides holistic services to patients in increasing the quality of healthcare and patient satisfaction as well as cost-efficient healthcare. Morley and Cashell¹ state that nurses-physician relationships improve patient care quality. WHO² and Schadewaldt et al. argue that IPC improves the quality of patient care, shortens hospital stays, reduces healthcare costs, and reduces health

worker's workloads and stress^{2,3}. Besides, a study conducted by Hughes and Fitzpatrick and Gausvik et al demonstrates that IPC leads to a reduction of mortality, increased job satisfaction, and a reduction of healthcare costs 4, 5.

WHO describes the importance of IPC in decreasing total patient complications, length of hospital stay, tension and conflict among caregivers, mortality rates, cost of care, duration of treatment, and increasing patient and career satisfaction². Meanwhile, communication is an essential thing in implementing IPC to provide health services to patients and the community. Caring without effective communication leads to guesswork and is based on stereotypes⁶. Communication in IPC is also a substantial effort to improve the quality of caring and patient safety^{7,8}.

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Materials and Method

Location and Design: The researcher conducted this study at Labuang Baji General Hospital, Makassar. This study was non-experimental research with quantitative approaches, descriptive statistics and correlation, and cross-sectional study design. **Population and Sample:** The population in this study were all healthcare providers who provide health services to patients in the Labuang Baji Hospital treatment rooms, Makassar. The sample was 291 health workers consisting of doctors, nurses, pharmacies, and nutritionists. The sampling was performed employing proportional stratified random sampling.

Data Collection: The primary data were sparse through questionnaires and observations. The secondary data was obtained from relevant parties such as Labuang Baji General Hospital, Makassar. **Data Analysis and Presentation:** Data were analyzed by using computer programs and statistical tests of Univariate analysis distribution (of frequency) and logistic regression

Results

Table 1. Respondent Characteristics

Characteristic	N	%
Age (Year)		
<35	124	43
>= 35	167	57
Gender		
Male	89	31
Female	202	69
Level of Education		
Bachelor/Master	232	80
Diploma III (three) of Health Education	59	20
Length of Work Experience		
<5	178	61
> 5	113	39
Total	291	100

Table 1 depicts the most respondents aged more than 35 years old (57%), 202 respondents (69%) were female, the highest level of education was bachelor/master by 232 respondents (80%), and 61% of respondents had work experiences less than five years.

Table 2. Determinant Factors of Interprofessional Collaboration (IPC)

Determinant Factors	P	Conclusion
Communication	0.000	There is a relationship
Motivation	0.174	No relationship
Trust and Respect	0.017	There is a relationship
Structure	0.052	No relationship
Composition	0.315	No relationship
Shared Vision	0.214	No relationship
Leadership	0.025	There is a relationship
Administrative Support	0.000	There is a relationship
Education	0.560	No relationship
Culture	0.000	There is a relationship
Law and Regulations	0.001	There is a relationship
Finance	0.000	There is a relationship
Technology	0.450	No relationship

Table 2 describes that the determinants factors associated with the implementation of IPC are Competencies with P-value 0.000, Trust and Respect with P-value 0.017, Administrative Support with P-value 0.000, Culture with P-value 0.000, Law and Regulations with P-value of 0.001, and Finance with P-value 0.000.

Discussion

Interprofessional collaboration is when health professionals from various professions work together to provide patient-centered care. Poor communication can be the main root cause of service errors in patients. In order for collaboration between professionals to be carried out all health professionals need to know the contribution made by each profession; maintain mutual respect for each other's expertise; communicate effectively and look for continuing education training opportunities to enhance collaboration between professionals⁹.

The effective communication relationships for interprofessional teamwork results in positive outcomes for effective and safe healthcare services. This is consistent with the theory that communication supports high-quality, safe, effective and efficient interprofessional care in a complex health care system⁸. Various attempts were made as an effort to improve IPC, among other things, by implementing an integrated patient record system. IPC can optimize patient safety.

Likewise, the efforts made by Labuang Baji General Hospital, among others, by initiating training for health workers for IPC.

Nurses and other healthcare teams are required to build an effective communication and leadership skills to work productively within interprofessional teams, establish open communication, use mutually respectful communication, and assist in decision making to promote quality patient care¹⁰. One of the core competencies for interprofessional collaborative practice is effective communication. All health workers must be able to communicate effectively with other healthcare teams to integrate safe and effective care for patients and other health workers¹¹.

IPC within professional work environments has been recognized by nursing staff, other healthcare teams and health care professional associations as an essential determinant in improving patient safety with high quality and providing patient-centered care¹¹. In its implementation there will be a general challenge that can be found, namely the cultural complexity of the arrangements which are socio-cultural aspects of each health profession¹².

Collaboration among health professionals and effective interprofessional collaborative practices are the theme developed in hospitals for healthcare settings^{11,13}. Collaboration between healthcare professionals providing services to patients is an effective way to stabilize care, reduce the excessive use of the health care system, increase the delivery of health services, and reduce the cost of care¹⁴. Interprofessional teamwork is a very effective factor that can contribute to positive interprofessional collaboration practices¹⁵.

Conclusion

Based on the findings, determinant factors of the implementation of IPC are Communication (P= 0.000), Trust and Respect (P= 0.017), Administrative Support (P= 0.000), Culture (P= 0.000), Law and Regulations (P= 0.001), and Finance (P= 0.000).

Implication: IPC is an effective and efficient strategy to improve healthcare quality and patient health outcomes at Labuang Baji General Hospital, Makassar. IPC should, therefore, be continuously improved and developed. Further studies exploring challenges that become obstacles of physicians-nurses IPC with more accurate research instruments are needed.

Ethical Clearance: Taken from Faculty of Public Health, Universitas Hasanuddin ethical committee

Source of Funding: Self

Conflict of Interest: Nil

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