Healthcare practitioners' perceptions of inter-professional collaborative practices in hospitals

Rika Yulia, a Fauna Herawati, a,b e Setiasih, c Astrid Pratidina Susilo, c Retnosiari Andrajati, c Diana Soemantara, c

Abstract

Background
It is believed that positive interactions and exchanges of information within a healthcare team contribute to good quality care in any context. In Indonesia, there may be limitations on interaction and information exchange because of the hierarchical structure of organizations. Culture, hierarchy, and perceived rank affect how individuals behave and interact among professions in healthcare teams. This study aimed to identify the perceptions of each profession on the practice of inter-professional collaboration in their respective work units.

Method
The study was conducted among healthcare practitioners involved in antibiotic use in hospitals. Data were collected using the Collaborative-Practice Assessment Tool (CPAT) questionnaire of eight domains (53 questions). The correlation coefficient value for the 53 questions was >0.3, with a significance level of 5%. The reliability of the CPAT questionnaire was good, with Cronbach's alpha of 0.977.

Result
There were 261 respondents. The perception scores of each profession about inter-professional collaboration were 3.55–3.82. The domain that had the highest score was 'the relationship between members'; and the lowest score was 'decision-making and conflict management'. A statistically significant difference was found in the perception towards the practice of inter-professional collaboration between pharmacists and other professions.

Conclusion
Perceptions of inter-professional collaboration of each profession in hospitals differ. Communication between professions in distributing tasks and roles when interacting is needed so that each profession can contribute optimally.

Section snippets

Key message
Inter-professional collaborative practice can improve health care services to the patient. Communication between professions in distributing tasks and roles when interacting is needed so that each profession can contribute optimally. Agreement on the therapy goals, how to review, and how to make decisions for therapy for the patient will improve the quality of service and patient therapy outcomes. Successful implementation of interventions is associated with an organisation's needs.

This study...

Methods
The study population were healthcare practitioners who cared for patients in the surgical and obstetrics-gynecology (ob-gyn) unit, including doctors, pharmacists, nurses, and midwives, in three type B hospitals in East Java: Bangil Regional General Hospital (Pasuruan), Husada Utama Hospital (Surabaya), and Haj General Hospital (Surabaya). Bangil Regional General Hospital, the government hospital, has 323 beds; Husada Utama Hospital, a private hospital, has 235 beds; and Haj General Hospital, ...

Ethical considerations
This study received research permissions from Husada Utama Hospital (Surabaya) Number 1338/RSHU/Dir./XI/2020 and 1339/RSHU/Dir./XI/2020; and ethical approval from the Health Research Ethics Team of the Bangil Regional General Hospital (Pasuruan) Number 445.1.22.424.072.01/2020, the University of Surabaya Institutional Ethical Committee Number 143/KE/XI/2020 and 144/KE/XII/2020 (Husada Utama Hospital, Surabaya), Health Research Ethics Committee Haji General Hospital (Surabaya) Number...

Results

There were 261 respondents from the three hospitals (Table 1). The response rates in two hospitals were 100%; the third hospital had a 97% response rate (3 out 98 respondents didn’t return the questionnaire). The majority of the study participants were aged 30–40 years (43.39%) and female (82.38%) (Table 1). The respondents were nurses (48.28%), midwives (30.65%), doctors (specialists) (10.73%), and pharmacists (10.34%). Scores reflected participants’ agreement about the importance of trust and...

Discussion

Whenever there is an interaction between team members, there is an exchange of knowledge/information. Pharmacists having lower scores for perception of collaborative practice refers to the less frequent interaction and exchange of information/knowledge of pharmacists compared to doctors, nurses, and midwives.18

The interaction and exchange of information between the pharmacist profession and doctors or nurses varies, depending on the pharmacist’s ability and role. Lack of consensus on...

Conclusion

Inter-professional interaction in Indonesia is not optimal.23 There is a hierarchical communication structure.45 Pharmacists had lower perceptions of their role in inter-professional collaboration than other professions. The profession’s perceptions of their role in the team, how they perceived other professions’ views of pharmacists, and other professions’ perceptions of their professional role, influenced health care practitioners’ perceptions about inter-professional collaboration practice....

Funding

This study was supported with a research grant No. 072/ST-Lit/LPPM-01/KemendikbudRistek/Multi/FF/III/2022 from Ministry of Research, Technology and Higher Education of the Republic of Indonesia (Kementerian Riset, Teknologi dan Pendidikan Tinggi, Menristekdikti)....

Ethical approval

This study received research permissions from Husada Utama Hospital (Surabaya) Number 1338/RSHU/Dir./XI/2020 and 1339/RSHU/Dir./XI/2020; and ethical approval by the Health Research Ethics Team of the Bangil Regional General Hospital (Pasuruan) Number 445.1.22.424.072.01/2020, the University of Surabaya Institutional Ethical Committee Number 143/KE/XI/2020 and 144/KE/XII/2020 (Husada Utama Hospital, Surabaya), Health Research Ethics Committee Haji General Hospital (Surabaya) Number...

CRediT authorship contribution statement

Rika Yulia: Data curation, Funding acquisition, Project administration, Resources, Roles/Writing – original draft, Writing – review & editing.
Fauna Herawati: Conceptualization, Data curation, Investigation, Project administration, Resources, Visualization, Roles/Writing – original draft, Writing – review & editing. Setiasih: Formal analysis, Software, Validation, Writing – review & editing. Astrid Pratidina Susilo: Methodology, Validation, Writing – review & editing. Retnosari Andrajati:....

Declaration of competing interest

The authors declare that they have no conflict of interest....

Acknowledgments

We are grateful to the management and the hospital staff for allowing us to collect data and for their contributions to the evaluation process. We would like to thank Erik Christopher, Klinik Bahasa, Faculty Kedokteran, Universitas Gadjah Mada (Yogyakarta) for translating and editing the manuscript; and David Scott, Pharmacy Department, Cardiff University, UK for reviewing, editing and proofreading the manuscript....

References (46)

E. Monses et al.

Staff nurses as antimicrobial stewards: an integrative literature review

Am J Infect Control (2017)
R.Y. Yusra et al.  
*Healthcare professionals’ perceptions regarding inter-professional collaborative practice in Indonesia*  

A. Setiadi et al.  
*Factors contributing to inter-professional collaboration in Indonesian health centres: a focus group study*  

T.J. Schindel et al.  
*Perceptions of pharmacists’ roles in the era of expanding scopes of practice*  

R.P. Thomas et al.  
*Assessment of expert performance compared across professional domains*  

J. Celio et al.  
*Pharmacist-nurse collaborations in medication adherence-enhancing interventions: a review*  
*Patient Educ Counsel* (2018)

F.R. Yong et al.  
*Factors affecting community pharmacist work: a scoping review and thematic synthesis using role theory*  
*Res Soc Adm Pharm* (2020)

R. Hussein et al.  
*Identifying barriers, facilitators and behaviour change techniques to the adoption of the full scope of pharmacy practice among pharmacy professionals: using the Theoretical Domains Framework*  
*Res Soc Adm Pharm* (2021)

M. Clariment et al.  
*Interprofessional communication in a socio-hierarchical culture: development of the TRI-O guide*  
*J Multidiscip Healthc* (2019)

E. De Baetselier et al.  
*EUPRON: nurses’ practice in inter-professional pharmaceutical care in Europe, a cross-sectional survey in 17 countries*  
*BMJ Open* (2020)

View more references

Cited by (0)

Recommended articles (6)

Research article  
*Early-onset complete spontaneous migration of contraceptive intrauterine device to the bladder in a post C-section patient: A case report*  
*International Journal of Surgery Case Reports, Volume 82, 2021, Article 105850*  
[Show abstract](#)

Research article  
*Medication adherence: A practical measurement selection guide using case studies*  
*Patient Education and Counseling, Volume 100, Issue 7, 2017, pp. 1410-1414*  
[Show abstract](#)

Research article  
*Liminal space and the negotiation of care work in extra-care housing*  
*Health & Place, Volume 69, 2021, Article 102575*  
[Show abstract](#)