

# Nurse Media

JOURNAL OF NURSING



Volume 10, Number 3 Year 2020, December 2020

## Articles

- Children's Nurses' Knowledge and Attitudes on Paediatric Pain: A Descriptive Cross-Sectional Survey in a Developing Country
- Factors Associated with Nursing Students' Intention to Report Needlestick Injuries: Applying the Theory of Planned Behavior
- Quality of Nursing Care in Saudi Arabia: Are Empathy, Advocacy, and Caring Important Attributes for Nurses?
- Critical Care Nurses' Experiences of End-of-Life Care: A Qualitative Study
- Volunteering in Health Care Context: A Concept Analysis Using Rodger's Evolutionary Approach
- The Relationship between Job Stress and Job Satisfaction among Saudi Nurses: A Cross-Sectional Study
- Factors Associated with Mothers' Behaviors in Selecting Complementary Feeding in Surabaya, Indonesia
- The Effect of Hypnotherapy on Anticipatory Nausea in Head and Neck Cancer Patients Undergoing Chemotherapy
- Peer Learning: An Effective Teaching-Learning Method for Improving Ability in Arterial Blood Gases Interpretation
- Preparedness among Family Caregivers of Patients with Non-Communicable Diseases in Indonesia
- Identifying Community/Public Health Nursing Competencies in Indonesia: A Modified Delphi Method
- The Effect of "SELF-HELP Packages" on Post Stroke Depression among Ischemic Stroke Survivors

Accredited by the Ministry of Research and Technology/National Research and Innovation Agency, Republic of Indonesia, No. 148/M/KPT/2020

Published by

Department of Nursing  
Faculty of Medicine Diponegoro University  
Semarang, Indonesia

Available online at <http://ejournal.undip.ac.id/index.php/medianers>

NURSE MEDIA  
JOURNAL OF NURSING

VOLUME  
10

NUMBER  
3

YEAR  
2020

PAGES  
222 - 375

ISSN  
2087-7811

# **Nurse Media Journal of Nursing**

**Volume 10 Number 3 Year 2020**

**Accredited by**

Ministry of Research and Technology/ National Research and Innovation Agency, Republic of Indonesia (No. 148/M/KPT/2020)

**Editorial Office**

Department of Nursing

Faculty of Medicine, Diponegoro University

Jl. Prof. Soedarto, SH., Tembalang, Semarang 50275

Email: [media\\_ners@live.undip.ac.id](mailto:media_ners@live.undip.ac.id)

Website: <http://ejournal.undip.ac.id/index.php/medianers>

## EDITORIAL TEAM

### Editor-in-Chief

Meira Erawati

Department of Nursing, Faculty of Medicine, Diponegoro University, Indonesia

### Editorial Board

- Andrew Cashin  
Southern Cross University, Australia
- Rozzano C. Locsin  
Department of Nursing, Tokushima University, Japan
- Yati Afiyanti  
Faculty of Nursing, University of Indonesia, Indonesia
- Sri Warsini  
School of Nursing, Universitas Gadjah Mada, Indonesia
- Jennieffer A Barr  
School of Nursing and Midwifery, Central Queensland University, Australia
- Maarten M Kaaijk  
School of Nursing, Hanze University of Applied Sciences, Netherlands
- Ferry Efendi  
Faculty of Nursing, Universitas Airlangga, Indonesia
- Mardiyono Mardiyono  
Department of Nursing, Health Polytechnics of Semarang, Indonesia
- Faustino Jerome Gulle Babate  
Beta Nu Delta Nursing Society, Philippines
- Tantut Susanto  
School of Nursing, University of Jember, Indonesia
- Cyruz P. Tuppal  
St. Paul University Philippines System, Philippines

### Associate Editors

- Sri Padma Sari  
Department of Nursing, Faculty of Medicine, Diponegoro University, Indonesia
- Nana Rochana  
Department of Nursing, Faculty of Medicine, Diponegoro University, Indonesia
- Meidiana Dwidiyanti  
Department of Nursing, Faculty of Medicine, Diponegoro University, Indonesia

### Managing/Technical Editors

- Asih Nurakhir  
Department of Nursing, Faculty of Medicine, Diponegoro University, Indonesia
- Pradipta Ary Pamungkas  
Faculty of Medicine, Diponegoro University, Indonesia
- Septi Harni Wahyuningtyas  
Department of Nursing, Faculty of Medicine, Diponegoro University, Indonesia

## AIMS AND SCOPE

The Nurse Media Journal of Nursing (NMJN) is an international nursing journal which publishes scientific works for nurses, academics and practitioners. NMJN welcomes and invites original and relevant research articles in nursing as well as literature reviews and case reports particularly in nursing.

This journal encompasses original research articles, review articles, and case studies, including:

- Adult nursing
- Emergency nursing
- Gerontological nursing
- Community nursing
- Mental health nursing
- Pediatric nursing
- Maternity nursing
- Nursing leadership and management
- Complementary and Alternative Medicine (CAM) in nursing
- Education in nursing

## PUBLICATION INFORMATION

The Nurse Media Journal of Nursing (NMJN) is published three time a year, every April, August and December.

For year 2020, 3 issues (Volume 10, Number 1 (April), Number 2 (August), and Number 3 (December) are scheduled for publication.

The NMJN is published by the Department of Nursing, Faculty of Medicine, Diponegoro University and available at <http://ejournal.undip.ac.id/index.php/medianers>.

## JOURNAL CITATION

Articles of the Nurse Media Journal of Nursing have so far been cited

in: Google Scholar h-index / i10-index	: 16/25
Total articles published in Google Scholar	: 146 (since 2012)
Total citations in Google Scholar	: 906 (since 2012)
Total articles indexed in GARUDA	: 172 (since 2011)
Total articles indexed in DOAJ	: 152 (since 2015)
SINTA h-index / i10-index	: 16/14 (since 2017)
Total Citations in SINTA	: 882 (since 2017)

## INDEXING AND ABSTRACTING

The Nurse Media Journal of Nursing has been covered (indexed and abstracted) by the following indexing services:

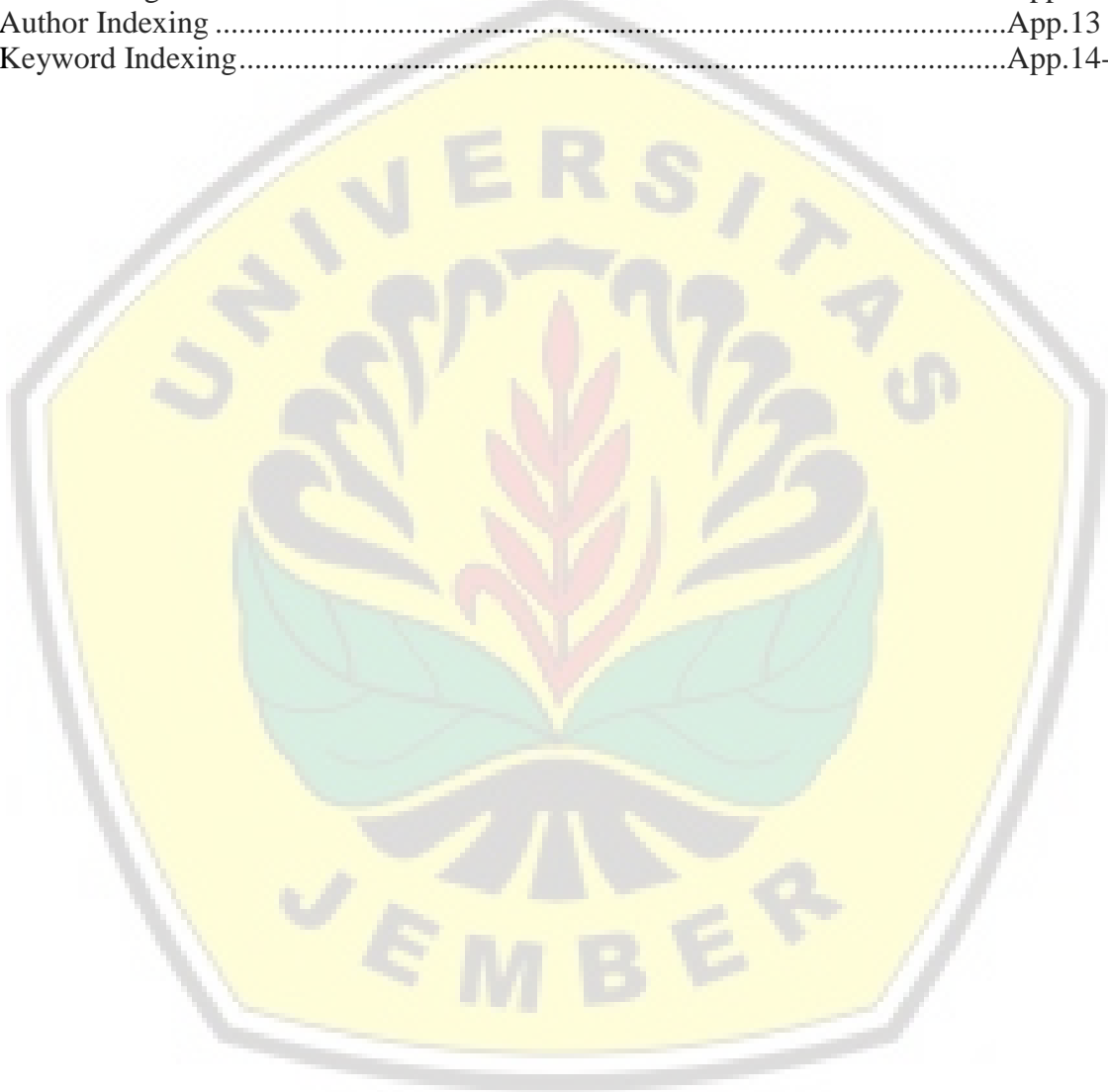
- Scopus  
(<https://www.scopus.com/sourceid/21101019708>)
- Google Scholar;  
(<https://scholar.google.co.id/citations?user=G6nEgkAAAAJ&hl=en>)
- Portal Garuda/Indonesian Publication Index (IPI);  
(<http://id.portalgaruda.org/?ref=browse&mod=viewjournal&journal=1284>)
- Indonesian Scientific Journal Database (ISJD)  
(<http://isjd.pdii.lipi.go.id/index.php/Direktori-Jurnal.html>)
- Directory of Open Access Journal (DOAJ).  
(<https://doaj.org/toc/2406-8799?>)
- Science and Technology Index (SINTA Score=S1)  
(<https://sinta.ristekbrin.go.id/journals/detail?id=914>)
- ASEAN Citation Index  
(<https://www.asean-cites.org/index.php?r=contents%2Findex&id=9>)
- EBSCO  
(<https://atoz.ebsco.com>)
- Garba Rujukan Digital (GARUDA)  
(<http://garuda.ristekdikti.go.id/journal/view/1284>)
- SHERPA/ROMEO  
(<http://sherpa.ac.uk/romeo/search.php?issn=2087-7811>)
- WORLDCAT  
([https://www.worldcat.org/search?q=so%3A%22NURSE+MEDIA%22&qt=results\\_page](https://www.worldcat.org/search?q=so%3A%22NURSE+MEDIA%22&qt=results_page))
- Microsoft Academic  
(<https://academic.microsoft.com/journal/2764736586>)
- Crossref  
(<https://search.crossref.org/?q=2406-8799>)
- BASE  
(<https://www.base-search.net>)

**TABLE OF CONTENTS**

Editorial Team .....	i
Aims and Scope, Publication Information, Journal Citation .....	ii
Indexing and Abstracting .....	iii
Table of Contents .....	iv
Preface, NMJN Vol. 10 No. 3 Year 2020 .....	vi-viii
Children’s Nurses’ Knowledge and Attitudes on Paediatric Pain: A Descriptive Cross-Sectional Survey in a Developing Country ( <i>Evans Oduro, Abigail Kusi-Amponsah Diji, Grace Kusi, Albert Amagyei, Joana Kyei-Dompim, Alberta Lomotey, Edward Appiah Boateng, Hayford Isaac Budu</i> ).....	222-233
Factors Associated with Nursing Students’ Intention to Report Needlestick Injuries: Applying the Theory of Planned Behavior ( <i>Nelson A. Ditching, Angel Grace F. Furatero, Razilee Vania S. Iquiña, Aira Darlyn M. Sabulao, Jason M. Supremo, Ryan Michael Flores Oducado</i> )....	234-243
Quality of Nursing Care in Saudi Arabia: Are Empathy, Advocacy, and Caring Important Attributes for Nurses? ( <i>Abdulaziz M. Alsufyani, Abdulaziz A. Aldawsari, Sayer M. Aljuaid, Khalid E. Almalki, Yasir M. Alsufyani</i> ) .....	244-259
Critical Care Nurses’ Experiences of End-of-Life Care: A Qualitative Study ( <i>Reni Sulung Utami, Ahmat Pujianto, Dody Setyawan, Elsa Naviati, Nana Rochana</i> ).....	260-274
Volunteering in Health Care Context: A Concept Analysis Using Rodger’s Evolutionary Approach ( <i>Muhamad Zulfatul A’la, Khanitta Nuntaboot, Somporn Rungreangkulkij</i> ) .....	275-291
The Relationship between Job Stress and Job Satisfaction among Saudi Nurses: A Cross-Sectional Study ( <i>Omar Ghazi Baker, Bandar Dhafer Alshehri</i> ) .....	292-305
Factors Associated with Mothers’ Behaviors in Selecting Complementary Feeding in Surabaya, Indonesia ( <i>Retnayu Pradanie, Praba Diyan Rachmawati, Meilia Dwi Cahyani</i> ) .....	306-316
The Effect of Hypnotherapy on Anticipatory Nausea in Head and Neck Cancer Patients Undergoing Chemotherapy ( <i>Dadi Hamdani, Awal Prasetyo, Anggorowati Anggorowati</i> ) .....	317-328
Peer Learning: An Effective Teaching-Learning Method for Improving Ability in Arterial Blood Gases Interpretation ( <i>Riana Mauliandari, Made Sumarwati, Arif Setyo Upoyo</i> ) .....	329-338
Preparedness among Family Caregivers of Patients with Non-Communicable Diseases in Indonesia ( <i>Ike Wuri Winahyu Sari, Novita Nirmalasari</i> ) .....	339-349
Identifying Community/Public Health Nursing Competencies in Indonesia: A Modified Delphi Method ( <i>Destia Widayarni, Tantut Susanto, Dwi Wahyuni, Huong Thi Thu Pham</i> ).....	350-360
The Effect of “SELF-HELP Packages” on Post Stroke Depression among Ischemic Stroke Survivors ( <i>Fitria Handayani, Setyowati Setyowati, Dwi Pudjonarko, Dian Ratna Sawitri</i> ).....	361-375

**TABLE OF CONTENTS**

Author Guidelines .....	App.1-4
Copyright Transfer Agreement .....	App.5
Copyright Transfer Agreement Form.....	App.6
Publication Ethics and Malpractice Statement.....	App.7-10
Submission Information .....	App.11
Acknowledgment .....	App.12
Author Indexing .....	App.13
Keyword Indexing.....	App.14-17



## PREFACE

The Nurse Media Journal of Nursing (e-ISSN: 2406-8799, p-ISSN: 2087-7811) is an open access international journal that publishes the scientific works for nurse practitioners and researchers. The journal is published by the Department of Nursing, Faculty of Medicine, Diponegoro University, and strives to provide the most current and best research in the field of nursing. The journal has been indexed in some indexing databases such as Scopus, Google Scholar, Portal Garuda, Directory of Open Access Journal (DOAJ), EBSCO, Science and Technology Index (Sinta), ASEAN Citation Index (ACI), and many more.

This issue (NJMN, Vol 10(3), 2020) has published twelve articles; one is review article, and eleven are original research articles. This issue was authored and co-authored by the researchers and academicians from diverse countries, including Indonesia, Ghana, Philippines, Saudi Arabia, Thailand, and Viet Nam. All papers have been doubled-blindly reviewed by the editors and reviewers of this journal.

Oduro et al. (2020) conducted a study to assess the knowledge and perceptions of children's nurses regarding paediatric pain in a Ghanaian context. A total of 65 nurses at eight hospitals at various levels of healthcare participated in this study. The results showed that children's nurses in this setting generally had insufficient knowledge and attitudes on paediatric pain. The study recommends the nurses to be motivated to undertake self-directed learning and regular continuing professional education to update their knowledge, attitude and skills on evidence-based pediatric pain assessment and management.

Ditching et al. (2020) investigated factors associated with the intention to report needlestick injuries among nursing students by applying the Theory of Planned Behavior. This cross-sectional study recruited 233 senior nursing students in Iloilo City, Philippines. The results of the study revealed that subjective norm and perceived behavioral control were significantly correlated with the intention to report needlestick injuries among nursing students. This study supports the Theory of Planned Behavior in identifying factors influencing nursing students' intention to report needlestick injuries.

Alsufyani, Aldawsari, Aljuaid, Almalki, and Alsufyani (2020) conducted their study to comprehend the views of Saudi Arabian nurses on how empathy, advocacy, and caring act as measurements of quality of nursing care. Twenty-one general and specialized medical care nurses from a hospital in Saudi Arabia were recruited through purposive sampling. The findings have led to the establishment of quality Saudi nursing care with the identification of core themes: empathy, advocacy, and caring. The findings of this study aver that patient advocacy, empathy, and care are parts of the characteristics of nursing profession.

In another study Utami, Pujianto, Setyawan, Naviati, and Rochana (2020) explored the experiences of critical care nurses in providing EOLC. Ten critical care nurses having the experiences of caring for dying patients were recruited for in-depth interviews. Manual content analysis was found five themes, including the challenge of communication with the family, support for the family, support for the patient, discussion and decision making,



and nurses' emotions. This study concluded most of EOLC provided by critical care nurses focused on the family. They had some challenges in communication and decision making. The study recommends nurses to get training and education about how to care for patients towards the end of life.

Another study was presented by A'la, Nuntaboot, and Rungreangkulkij (2020) that clarified the volunteering concept in the health care context using Rodger's evolutionary concept analysis. This review employed 39 eligible articles analyzed by providing codes of each article and then classified them in attributes, antecedents, and consequences of concept. Five attributes of volunteering, namely, giving help freely, as long-term planned, as giving a benefit to another individual, group, or organization, as working at a formal organization, and as a long-life activity were found. Antecedents of volunteering include motivation, social demographic, and philanthropic behavior. The consequences of volunteering were consequences for volunteers, patients, and the health care system. This study concluded that volunteering is a complex concept and many surrogate concepts have similar definitions. The attributes are still debatable and need to be explored. Also, the consequences of volunteering are still rarely discussed in a particular health care system context.

Baker and Alshehri (2020) conducted a study to examine the relationship between work-related stress and job satisfaction among Saudi nurses working at a public hospital. This cross-sectional study was employed on a total of 297 nurses working at a specified public hospital and aged over than 20 years old. The results indicated a positive correlation between stress and job satisfaction among nurses in public hospital. Furthermore, it is suggested that changes in managerial affairs and policies are essential for implementing beneficial strategies that may assist in resolving the issue.

Pradanie, Rachmawati, and Cahyani (2020) investigated factors affecting mothers' behaviors in selecting complementary feeding for their babies in a descriptive analytical study with a cross-sectional approach. A total of 153 mothers having babies aged 6-12 months old in Surabaya, Indonesia were recruited to participate in this study. The results showed that knowledge, attitudes, beliefs, income, and family support were factors affecting mothers' behavior in selecting complementary feeding. This finding emphasizes pivotal needs to increase knowledge and attitude of complementary feeding for both mothers as the infant primary caregivers, and families as the closest support system for mothers.

Hamdani, Prasetyo, and Anggorowati (2020) conducted a study to determine the effect of hypnotherapy using Hanung induction technique on anticipatory nausea in head and neck cancer patients undergoing chemotherapy. This research employed a pre-posttest of quasi-experiment with control group design by recruited 64 subjects who were equally divided into the intervention group receiving hypnotherapy, and the control group receiving standard care. The results showed that there was a significant difference in the score of anticipatory nausea after the implementation of hypnotherapy between the intervention and the control group. Hypnotherapy is effective in reducing the intensity of anticipatory nausea in head and neck cancer patients undergoing chemotherapy.

Mauliandari, Sumarwati, and Upoyo (2020) were trying to compare the effect of peer learning and classical learning methods on the nurses' ability to interpret ABGs in the quasi-experimental research. Forty ward nurses were invited in the peer learning method group, and another 40 ward nurses were invited in the classical learning method group. The result showed that there were significant increases in ABGs analysis's ability in both groups; however, the peer teaching-learning group demonstrated a significantly greater improvement in interpreting ABGs. Peer learning is appropriate as one of the methods in clinical education for nurses.

Sari and Nirmalasari (2020) conducted a study to identify caregivers' preparedness among family caregivers of patients with non-communicable diseases. This cross-sectional study was conducted on 120 Indonesian family caregivers for patients with non-communicable diseases. The results showed that there were no differences in the preparedness among family caregivers of patients with non-communicable diseases. Nurses have to be proactive in assessing each family caregivers' preparedness to enhance the quality of life of both the family caregivers and the patients themselves so that they can be empowered as a source of nursing care.

Another study conducted by Widyarani, Susanto, Wahyuni, and Pham (2020) identified the competencies of the Indonesian PHNs from experts using the C/PHN competencies of the Quad Council Coalition through a Delphi method. The experts performed a Delphi method to identify, analyze, and modify the C/PHN Competencies of the Quad Council Coalition into the Indonesian version of C/PHN Competencies with local cultures. Results showed that there were changes for priority of the PHN competencies in Indonesia. All priorities were classified into eight groups, namely: (1) Leadership Skills and Thinking Systems; (2) Community Dimensions of Practice; (3) Assessment Analytic; (4) Policy Development and Program Planning; (5) Communication Skills; (6) Financial Planning and Management and Planning; (7) Public Health Sciences Skills; and (8) Cultural Competency.

Finally, Handayani, Setyowati, Pudjonarko and Sawitri (2020) investigated the effect of "SELF HELP Packages" intervention on PSD among ischemic stroke survivors after three months from onset and its effect after confounding variables were controlled. This study was a pre and post quasi-experiment with a control group, involving 34 ischemic stroke survivors each group. The result showed that "SELF-HELP Packages" considerably decreased PSD in the intervention group. There were also significant differences on PSD after the intervention between two groups. However, "SELF-HELP Package" had no effect on PSD when other confounding variables were controlled.

Semarang, December 2020

Meira Erawati  
Editor-in-Chief  
Nurse Media Journal of Nursing

## **Volunteering in Health Care Context: A Concept Analysis Using Rodger's Evolutionary Approach**

Muhamad Zulfatul A'la<sup>1,2</sup>, Khanitta Nuntaboot<sup>2</sup>, Somporn Rungreangkulkij<sup>2</sup>

<sup>1</sup>*Faculty of Nursing, Universitas Jember, Jember, Indonesia*

<sup>2</sup>*Faculty of Nursing, Khon Kaen University, Khon Kaen, Thailand*

*Corresponding Author: Muhamad Zulfatul A'la (m.zulfatul@unej.ac.id)*

Received: 12 June 2020

Revised: 12 December 2020

Accepted: 19 December 2020

### **ABSTRACT**

**Background:** Volunteering is a common concept used in various disciplines including in the health care context. Nursing plays a role in volunteering concept development. However, the use of volunteering concept is still interchangeable. The clear definition concept about volunteering will promote the improvement in healthcare system quality.

**Purpose:** This study aimed to clarify the volunteering concept in the health care context using Rodger's evolutionary concept analysis.

**Methods:** This study used a literature review for collecting the exemplars. Researchers used articles published in 2010-2020 in ScienceDirect, PubMed, Web of Science, and Google Scholar. Articles were searched using OR and AND. The keywords and MeSH used were "Volunteering OR Volunteerism OR volunteers AND Health OR Care OR Nursing" in the title, abstract, and keyword articles. Inclusion criteria were full articles in English. Rodger's evolutionary concept analysis was implemented in this study with six steps.

**Results:** This study used 39 eligible articles analyzed by providing codes of each article and then classified them in attributes, antecedents, and consequences of concept. Five attributes of volunteering, namely, giving help freely, as long-term planned, as giving a benefit to another individual, group, or organization, as working at a formal organization, and as a long-life activity were found. Antecedents of volunteering include motivation, social demographic, and philanthropic behavior. The consequences of volunteering were consequences for volunteers, patients, and the health care system.

**Conclusion:** Volunteering is a complex concept and many surrogate concepts have similar definitions. The attributes are still debatable and need to be explored. Also, the consequences of volunteering are still rarely discussed in a particular health care system context. Further studies need to analyze the measurement of volunteering development based on the nursing theory framework and explore the consequences of volunteering in the health care system related to the nursing care context.

**Keywords:** Concept analysis; health care system; helping behavior; volunteering

**How to Cite:** A'la, M. Z., Nuntaboot, K., & Rungreangkulkij, S. (2020). Volunteering in health care context: A concept analysis using Rodger's evolutionary approach. *Nurse Media Journal of Nursing*. 10(3), 275-291. doi:10.14710/nmjn.v10i3.30782

**Permalink/DOI:** <https://doi.org/10.14710/nmjn.v10i3.30782>

## BACKGROUND

Volunteering is part of helping behavior that is one of the activities that contribute positively to human life. Also, volunteering is a crucial renewable resource for social and environmental problem-solving over the world, although it is sometimes under-appreciated (International Labour Organization, 2011; Wilson, 2000). Therefore, many researchers have tried to describe the concept of volunteering from various disciplines.

Nowadays, the concept of volunteering is still debatable. Some of the terms used are also unclear and interchangeable. Other terms have similarities meaning with the concept of volunteering, such as volunteerism, social activism, or philanthropic behavior (Alias & Ismail, 2015; Hustinx, Cnaan, & Handy, 2010; Wilson, 2000). Volunteering has a broad meaning. In general, volunteering is a social activity given freely and has an advantage within individuals, groups, and organizations (Stukas, Snyder, & Clary, 2014). The concept of volunteering is rooted in psychology, political science, economy, and sociology (Hustinx et al., 2010).

In sociology and political context, many scholars stated that volunteering is associated with social activism (Stukas, Snyder, & Clary, 2016; Wilson, 2000). These two concepts are quite different. Social activism is oriented toward social change; however, volunteering focuses on helping with individual problems (Wilson, 2000). Furthermore, in the psychology context, volunteering is sometimes associated with altruism and philanthropic behavior, although some scholars consider this interchangeability concept (Alias & Ismail, 2015; Nothwehr & Rohlman, 2019). In the economic context, volunteering is a form of employment without payment and labor contracts (International Labour Organization, 2011). Mismatch naming and misuse concepts might make difficulties in developing research related to volunteering.

Volunteering is commonly utilized in health care context. Volunteering is an integral part of the health services system and needs special attention (Jenkinson et al., 2013; Pilayon & Nuntaboot, 2017; Singh, Cumming, Mohajer, & Negin, 2016). Many studies revealed that volunteering effectively improves the quality of health services (Jenkinson et al., 2013; Singh et al., 2016). Furthermore, volunteering can improve volunteers' and patients' health status in the health care context (Hsiao et al., 2020; Papa, Cutuli, Principi, & Schere, 2019; Poulin, 2014; Stukas, Hoyer, Nicholson, Brown, & Aisbett, 2016). Thus, it is necessary to explain the concept of volunteering in the health care context and become the foundation for further research in instrument development.

Concept analysis is an essential strategy for clarifying concepts that are still ambiguous and vagueness (Rodgers & Knafl, 2000). Also, concept analysis can help explain the antecedents, attributes, and consequences of a concept, making it easier for researchers or scholars to develop research or understand a concept in daily practice implication (Paley, 1996). Although there is limited nursing theory as the conceptual framework, the concept of volunteering needs to be developed from research to practice in nursing (Witucki Brown et al., 2011). Volunteering is close to the nursing context, especially in the concept of altruism and community participation model. Altruism becomes a foundation in the caring process, and community participation is a nursing care strategy of increasing the quality of health care systems (Smith, 1995; Stukas et al., 2014).

Therefore, nurses must know the concept of volunteering for developing research and improving health care quality.

Previous research about volunteering in healthcare context is rarely conducted. There is a study about developing instruments in observing the burden experienced by volunteers (Gau, Buettner, Usher, & Stewart, 2014). However, the study only described the aspect of burden, not seeing the attribute of volunteering comprehensively as well as not being specific in the health care context. Volunteering is a dynamic concept and needs multi-perspective views in the analysis process. Rodger's evolutionary method emphasizes the context of the concept and uses an inductive approach (Tofthagen & Fagerstrøm, 2010), and is suitable for the analysis of the concept of volunteering in health care context. It is pivotal to conduct a concept analysis in volunteering to know the concept components comprehensively.

## **PURPOSE**

This study aimed to clarify the concept of volunteering in the health care context using Rodger's evolutionary concept analysis. Moreover, the coding method was utilized to collect and classify the antecedents, attributes, and consequences of the concept of volunteering.

## **METHODS**

This study used Rodger's evolutionary concept analysis. This concept analysis aimed to describe the concept clearly and distinguish one concept from other concepts. Rodger's evolutionary concept analysis emphasized the literature review process in collecting data. Moreover, data analysis used the articles' codes and classified them into the antecedents, attributes, and consequences of the concept of volunteering. Rodger's evolutionary approach has six steps, namely: (1) identifying the concepts and associated expressions (such as surrogate terms), (2) selecting an appropriate data collection realm, (3) collecting data, (4) analyzing data, (5) identifying an exemplar of the concept, and (6) identifying implications or proposing hypotheses (Rodgers & Knafl, 2000).

### **Data collection**

In collecting data for the literature review, ScienceDirect, PubMed, Web of Science, and Google Scholar databases were used. An additional resource, a printed journal without an online version, was also explored to enrich the literature review. Searching literature used two Boolean operators, namely "OR" and "AND". The keywords and MeSH used were "Volunteering OR Volunteerism OR volunteers AND Health OR Care OR Nursing" in the title, abstract, and keyword articles. Inclusion criteria were full articles in English published from 2010 to January 2020.

In the first step, we found 1,235 articles. We adopted the screening method for literature review from Stovold, Beecher, Foxlee, and Noel-storr (2014) started from identification, screening, eligibility, and included articles. Furthermore, to make the literature review more focused on volunteering in the health context, further inclusion and exclusion criteria were added. Inclusion criteria were volunteering activities in the community or hospital settings and all health contexts by untrained or trained laypeople. Articles explaining about the health workers or health students as volunteers were excluded.

Volunteering for health workers or health students may differ in the concept and theory foundation as well as different consequences. At last, we found 39 articles that were used in the concept analysis process (see Figure 1).

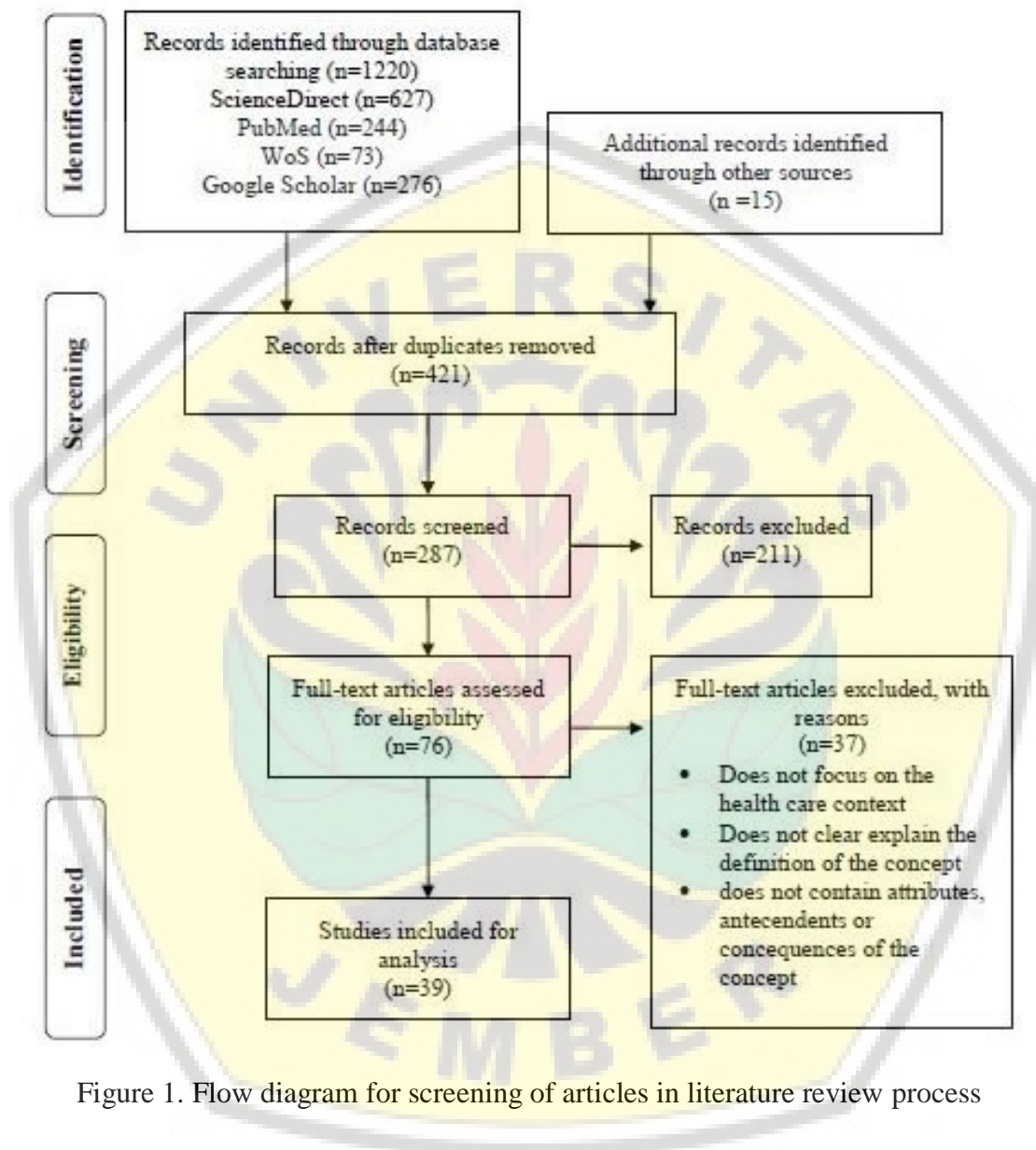


Figure 1. Flow diagram for screening of articles in literature review process

### Data analysis

Rodgers and Knafl (2000) suggests using codes in the data analysis process. Codes were utilized for classifying articles in the antecedents, attributes, consequences, surrogate terms, contextual basis, and theoretical definitions of the concept of volunteering. Furthermore, the coding procedure used Rodgers' evolutionary approach. First, the authors searched the initial impression in each article. To ensure coding validity, the authors also conducted a review once again. In the next step, the thematic analysis was performed in determining the themes. Microsoft Excel was utilized to assist in the themes classification into the antecedents, attributes, and consequences (see Table 1).

In surrogate terms, the analysis process used no further reduction in analyzing and synthesizing articles. Moreover, this procedure is more flexible than in the antecedents, attributes, and consequences analysis. A cross-disciplinary comparison is also performed to see the existing surrogate terms related to volunteering. In the exemplar of the concept, the authors illustrated the existing themes in the antecedents, attributes, and consequences of volunteering in a particular case to ease the reader from understanding the volunteering concept. The authors then analyzed the concept's implication based on existing theory or framework after finding surrogate terms and themes in antecedents, attributes, and consequences of volunteering.

## RESULTS

### **Surrogate terms and the related concept**

The use of the concept of volunteering and volunteerism is sometimes interchangeable. However, some literature explains that volunteerism is a behavior, whereas volunteering is real activism (Hustinx et al., 2010). The things that become essential terms in volunteering and volunteerism are the free acts without coercion and no explicit reward (Stukas et al., 2016). Also, volunteering development is related to helping each other in a formal context, and it is a proactive rather than reactive activity (Wilson, 2000).

Volunteering is related to many concepts, such as social activism, altruism, philanthropic behavior, and helping behavior (Stukas et al., 2016; Wilson, 2000). Those concepts have similarities, but they have different attributes. Moreover, social support is also related to volunteering. Social support is a foundation concept and related to volunteering (Kumar, Calvo, Avendano, Sivaramakrishnan, & Berkman, 2012). Social support refers to the availability of helping relationships and the quality of those relationships. However, social support has a broad meaning and has a multidimensional meaning and needs to analyze in a specific context (Hether, Murphy, & Valente, 2014; Pedro, Rocha, & Nascimento, 2008).

Volunteering in the health care context can be implemented in a home-based, community-based, and hospital-based settings (Read, 2014; Siabani, Driscoll, Davidson, & Leeder, 2016; Singh et al., 2016). Most of the article explains that volunteering in community settings is more feasible in the implementation (Jenkinson et al., 2013; Tulloch et al., 2015; Yansaneh et al., 2014).

Volunteering activities in the health care context can be applied in patients with cancer, palliative, dementia, HIV/AIDS, and disabilities condition (Cherven et al., 2020; Estopinal et al., 2012; Jack, Kirton, Birakurataki, & Merriman, 2011; Pesut, Hooper, Lehbauer, & Dalhuisen, 2014; Pilayon & Nuntaboot, 2017; Siabani et al., 2016). Also, it can apply to people with mental health and older adults (Dowling, 2019; Held & Lee, 2020). Furthermore, in disaster management, volunteering is also used for increasing the quality of health care services (Fothergill, Palumbo, Rambur, Reinier, & McIntosh, 2005; Whittaker, McLennan, & Handmer, 2015).

## **Attributes, antecedents, and consequences of the concept**

### ***Attributes***

Volunteering has many definitions and dimensions and depends on the setting of the volunteering activity. In the health care context, there are five definitions related to the attributes of volunteering.

#### *Volunteering is giving help freely*

Volunteering is a form of unpaid social activity (Kobayashi, Sugihara, Fukaya, & Liang, 2019). However, it is not a form of slavery. High motivation from individuals in providing help to others makes volunteers do not need remuneration (South, Purcell, Branney, Gamsu, & White, 2014). Given freely can also be interpreted that someone only wants to help without a will. Thus, volunteering does not depend on a particular religion, age, social status, or ethnicity.

#### *Volunteering is long term planned*

Volunteering is a systematic process of providing help to others. This needs long term planning and commitment from volunteering members (Söderhamn, Landmark, Aasgaard, Eide, & Söderhamn, 2012). Volunteering is not a spontaneous or active activity, but volunteering is a reactive activity that starts from a plan (Alias & Ismail, 2015). In the health care context, volunteering must have a plan of action in providing health services.

#### *Volunteering is giving a benefit to another individual, group, or organization*

Volunteers have to give a benefit to individuals, groups, or organizations (Wilson, 2000). In other words, volunteering must be a positive benefit for people. Volunteering is not an activity that violates law or crime. However, volunteering is sometimes related to political movements but focuses on people. If volunteering conduct in a political or economic movement, it is referred to as the definition of activism (Gonella et al., 2019). In the health care context, the benefit of volunteering is correlated to health status and health system.

#### *Volunteering is working in a formal organization*

Some articles illustrate that volunteering must be under formal organizations (Alfes et al., 2017; Shen & Khosla, 2016). Formal organization refers to a non-government organization or government organization. Developed countries, such as the United States and the United Kingdom, have many non-governmental organizations (NGOs) managing volunteering in the health system. However, other countries such as Thailand, Myanmar and Taiwan, volunteering can be organized by the government or volunteer groups (NGOs) (Gau, Buettner, Usher, & Stewart, 2013; Pilayon & Nuntaboot, 2017; Watt et al., 2016).

#### *Volunteering is a prolonged life activity*

Volunteering is different from employment. Volunteering is a prolonged life activity (Nothwehr & Rohlman, 2019). People can be involved in volunteering activities without time and age restrictions. It makes volunteering a social movement for all groups. In the health care context, everyone can become a volunteer. However, they have to go through some training for volunteering in several advanced illness conditions such as cancer, stroke, or diabetes mellitus.



Table 1. Coding of literature related antecedents, attributes, and consequences in the concept of volunteering in health care

Themes	References
<b>Attributes</b>	
Volunteering is given freely	(Kobayashi et al., 2019); (Papa et al., 2019); (Söderhamn et al., 2012)
Volunteering is a long-term planned	(Söderhamn et al., 2012); (Studer, 2016)
Volunteering is gives a benefit to another individual, group, or organization	(Gonella et al., 2019)
Volunteering is working in formal organization	(Alfes, Antunes, & Shantz, 2017); (Jenkinson et al., 2013); (Söderhamn et al., 2012)
Volunteering is a prolonged life activity	(Nothwehr & Rohlman, 2019)
<b>Antecedents</b>	
Motivation: internal and external motivation	(Gonella et al., 2019); (Hurs, Coyne, Kellett, & Needham, 2019); (Ormel et al., 2019); (Singh et al., 2016); (Söderhamn et al., 2012); (Stukas, et al., 2016)
Social-demography status: gender, age, occupancy, cultural background, religion	(Aranda, Zappala, & Topa, 2019); (Jack et al., 2011); (Komp, Van Tilburg, & Van Groenou, 2012); (McDougle, Handy, Konrath, & Walk, 2014); (Ørtenblad, Vaeggemose, Gissel, & Nissen, 2019); (Vähäkangas, 2014); (Alias & Ismail, 2015)
Philanthropic behavior	(Alias & Ismail, 2015)
<b>Consequences</b>	
Consequences for volunteers: change self-perception, increase life satisfaction, decrease stress and depression, prevent poor self-rated health	(Fegan & Cook, 2012); (Hsiao et al., 2020); (Papa et al., 2019); (Pérez-Corrales et al., 2019); (Poulin, 2014); (Ramos et al., 2016); (Shen & Khosla, 2016); (Showa et al., 2016); (Dowling, 2019); (Kim & Konrath, 2017); (Siabani et al., 2016); (Van Zon et al., 2016)
Consequences for the patient: gain the cognitive abilities, be a support system, decrease loneliness. Increase self-care management	(Dowling, 2019); (Kim & Konrath, 2017); (Siabani et al., 2016); (Van Zon et al., 2016)
Consequences for health care services/system: facing an increasing demand for informal care in addition to professional health care, helping nurses to maintain professional boundaries, increasing access to essential health services, reduced treatment burden, increasing hospital quality	(Cherven et al., 2020); (Leon et al., 2015); (Pesut et al., 2014); (Steunenber, van der Mast, Strijbos, Inouye, & Schuurmans, 2016); (Tulloch et al., 2015); (Yansaneh et al., 2014);

**Antecedents**

Antecedents are all things that appear before the concept. Antecedents in volunteering distinguish into three, namely motivation, social demographic status, and philanthropic behavior.

**Motivation**

Motivation is a process that can drive a person to do something (Islam, Haque, & Haque, 2014). Motivation is divided into two dimensions, namely, internal and external

motivation. The internal motivation to help someone is essential in improving volunteering activity (Gonella et al., 2019; Stukas et al., 2016). Also, self-growth is an internal motivation in volunteering activity (Hurst et al., 2019). External motivation is still debatable in the concept of volunteering. Volunteering emphasizes free paid, but some literature states that paid altruism is needed for volunteering in improving the quality of service (Ormel et al., 2019). On the other hand, South et al. (2014) explained that payment in altruistic behavior or volunteering would lead to financial conflicts.

### *Social demography status*

Social demography status influences volunteering activities. Some social demographics that influence volunteering are gender, age, occupancy, cultural background, and religion. Gender is a factor that influences volunteering. The results showed that women have higher motivation and altruistic behavior than men (Afari-Asiedu et al., 2018; Stukas, et al., 2016). Gender not only encourages volunteering but also how they work. Gender will affect the caring process in patients (Wilson, 2000).

Age also influences someone to do volunteer activities. Volunteering usually tends during the transition from adolescence to young adulthood (Wilson, 2000). However, older people also make it possible to become a volunteer. Older people desire to help others and always want to be useful to others (Komp et al., 2012).

Religion influences someone to do volunteering activities. Some religions believe that by helping others, someone will get something useful from their God (Vähäkangas, 2014). Volunteering activities are also sometimes carried out by religious organizations (McDougle et al., 2014). Besides religion, the cultural background also influences a person to do volunteer. Some cultures give positive impulses to help others (Jack et al., 2011).

### *Philanthropic behavior*

Philanthropic behavior is the antecedent of volunteering. In philanthropic behavior, there are two concepts, namely donation, and volunteering. Individuals who have philanthropic behavior make these individuals active as volunteers (Alias & Ismail, 2015).

### *Consequences*

Consequences are everything that happens after the concept exists. Volunteering in the health context has three dimensions of Consequences, namely, consequences for volunteers, Consequences for patients, Consequences for health care services/systems.

### *Consequences for volunteers*

Volunteering can improve the health status of individuals who carry out volunteering activities. Literature review results obtained by volunteering, volunteers can change self-perception, increase life satisfaction, decrease stress and depression, prevent poor self-rated health (Fegan & Cook, 2012; Hsiao et al., 2020; Papa et al., 2019; Pérez-Corrales et al., 2019; Poulin, 2014; Ramos et al., 2016; Shen & Khosla, 2016; Showa, Kitazawa, Takeuchi, & Mori, 2016)

*Consequences for patients*

Volunteering in the health care context is involved in one group of patients and various types of patients. A literature review found that volunteering could apply in patients with cancer, dementia, schizophrenia, or patients with stroke. In particular, volunteering can gain cognitive abilities, support patients, decrease loneliness, and increase self-care management (Dowling, 2019; Siabani et al., 2016; Van Zon, Kirby, & Anderson, 2016).

*Consequences for health care services/systems*

Volunteering can increase demand for informal care in addition to professional health care, help nurses to maintain professional boundaries, increasing access to essential health services, reduced treatment burden, increasing hospital quality (Cherven et al., 2020; Leon et al., 2015; Steunenberget al., 2016; Tulloch et al., 2015; Yansaneh et al., 2014).

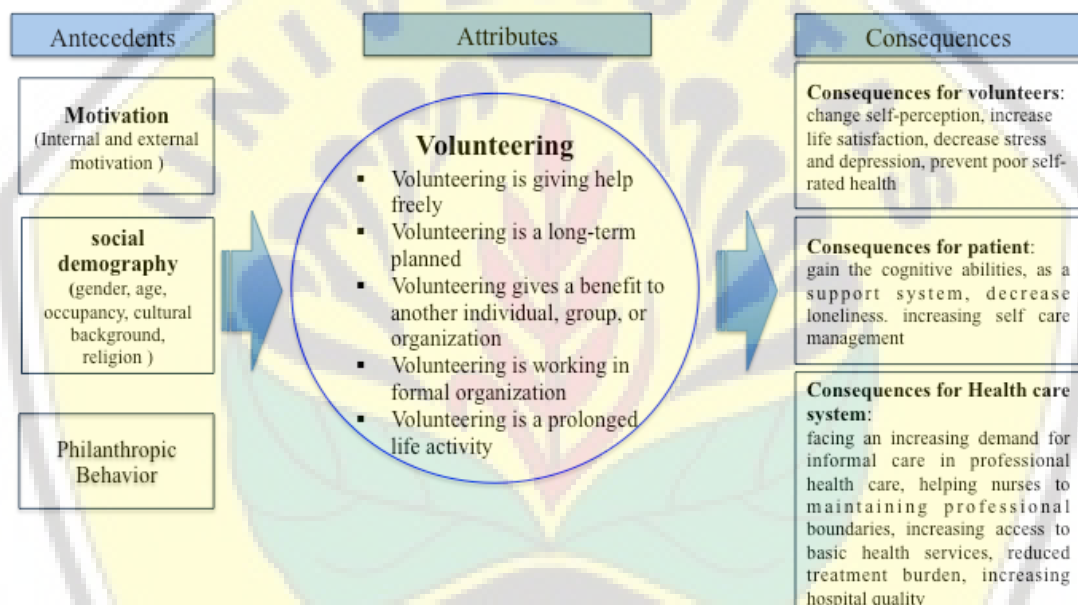


Figure 2. The conceptual framework of volunteering in the health care context

**An exemplar of the concept**

Peter (45), a private employee, wanted to give his time to help others. He chose to become a volunteer in hospice care. At first, Peter was confused about the activities and competencies required to become a volunteer. Finally, Peter asked one of the non-government organizations (NGOs) engaged in the humanitarian sector in his area. Eventually, he found it. Peter was asked to fill out forms and be interviewed regarding his experience and abilities. Peter was asked to participate in the training first and was given a volunteering program from hospice care. However, Peter was not in a contract and could resign at any time. In the team, Peter met many volunteers with various motivations, backgrounds, and ages. Peter met other volunteers who have behavior to help others and have much money to be donated for social activity. Another volunteer explained that he wanted to get a salary from the volunteering process, although it is only for daily needs.

Peter felt that his stress level was decreasing after working as a volunteer. Furthermore, Peter also made observations related to other volunteers after one year of work. Peter revealed that they felt more meaningful in facing life after working as volunteers. From the patients' perspectives, they said that they got a sufficient support system from volunteers in their treatment process. The patient did not feel loneliness anymore. The health care system in his area also changed to be more effective related to transition care of patients after NGOs and volunteers helped improve the quality of caring for patients in hospice care. However, there is no specific assessment for measuring volunteering activity and correlation with the health care system.

This exemplar describes the attributes, antecedents, and consequences of volunteering. From this exemplar, we can identify that volunteering in the healthcare context is an effort to help others freely, long-term planned, giving benefits, and working in a formal organization, namely NGOs. Peter also had the motivation to help people. This exemplar describes the antecedent of volunteering, namely, internal motivation. Other volunteers met Peter described that social demography, philanthropic behavior and external motivation also was antecedents of volunteering. After working for one year, Peter got experience and change of stress level, and other volunteers also feels more meaningful. Furthermore, patients also explained that not feeling lonely and got a support system during this volunteering program. This exemplar showed the consequence of volunteering, namely the consequences for volunteers and the patient. Becoming more effective in transitional care is the consequence of volunteering in a health care system.

## **DISCUSSION**

This study aimed to describe the concept of volunteering more clearly and distinguish it from related concepts. The literature review revealed that volunteering has distinct attributes, antecedents, and consequences with other concepts. The researchers used Rodger's evolutionary concept analysis to see the concept of volunteering with the literature review approach so that the study results can explain details about the concept of volunteering. Practically, volunteering was illustrated in an exemplar of the concept and made it clear to explain the concept's component. Volunteering has specific antecedents that include motivational factors, social demographics, and philanthropic behavior. In attribute, volunteering has a uniqueness that distinguishes it from other concepts such as altruism, philanthropy, helping behavior or social activism. In the healthcare context, volunteering also has specific consequences for volunteers themselves, patients, and the health care system (see Figure 2).

We found five attribute concepts of volunteering from eight articles. However, several attributes are still debatable and need to be explored in further research. First, the claim that volunteering is giving freely is still debatable. According to Ormel et al. (2019), although it is biased, volunteering requires incentives to increase volunteers' motivation. The exemplar of the concept described that one of the volunteers want to get a salary from volunteering activity as his motivation. This phenomenon also appears in the concept of volunteering. Therefore, the relationship between motivation and incentives for volunteers needs to be explored with an interpretive approach, especially in the healthcare context. Second, volunteering is working in a formal organization that still needs to be discussed and explained in further research. According to Whittaker et al. (2015), in a

review on informal volunteerism in emergencies and disasters, they explained that informal volunteers who are not supervised by a formal organization are included in volunteering activities. However, informal volunteering can only be used in specific settings, such as disaster and emergency conditions.

This attribute can also be the foundation for developing volunteering instruments specific to the health care context. Previous research only explained the burden of volunteering and not comprehensively about volunteering's attributes (Gau et al., 2014). This instrument's development helps health care providers, especially nurses, assess and evaluate the volunteers' readiness or perception in the process of volunteering activity. Nurses' role in this situation becomes essential because of the relationship between altruism and the nursing profession. Nurses can apply altruism or helping behavior in every caring activity (Alavi, Zargam-Boroujeni, Yousefy, & Bahrami, 2017). Furthermore, altruism is a core conceptual aspect of Watson's human caring theory (Watson, 2007). Therefore, nursing has a role in developing the instrument for assessing volunteer activity based on nursing theory.

Motivation, social demography status, and philanthropic behavior are the antecedents of volunteering. Those antecedents were explained in Ko et al. (2004), although not all attributes have been proven empirically. Ko et al. (2004) used a theory of planned behavior to predict volunteering in care for SARS patients in Taiwan. Self-efficacy, attitude, and working in the hospital are attributes of volunteering. Self-efficacy and attitude are a form of internal motivation from a volunteer in doing volunteering activities. Philanthropic behavior and social demographics as an antecedent may be able to be explained by social support theory. In Surrogate terms, social support theory becomes the theoretical underpinnings of volunteering, which can be influenced by social demographics and motivation (Aranda et al., 2019). Philanthropic behavior is a different concept from volunteering, although several papers mention those correlations. In social phenomena, several people who have behavior in donating their money for helping others sometimes want to be volunteers. Those conditions could be classified as philanthropic behavior (Hyánek & Hladká, 2013). It was illustrated in the exemplar of the concept. Therefore, the relationship between these two concepts still requires exploring comprehensively.

The consequences of volunteering are divided into three: the consequences for volunteers, patients, and the healthcare system. Consequences in volunteers and patients are clearly described in several papers, and the impacts of volunteering have been empirically proven. Furthermore, an exemplar of the concept explained the consequence in volunteers and patients clearly. However, the consequences of volunteering in the health care system are still rarely described in a particular nursing care context. An exemplar of concept provided an example that volunteering can mediate the continuity care process for patients from the hospital to hospice care. This exemplar can be the foundation for further research development. Simultaneously, volunteering in health care systems becomes a solution to solve accessibility care in rural areas (Yansaneh et al., 2014). Volunteers become pivotal in improving the quality of health services at either in the macro-level or micro-level healthcare system through community participation.

Community participation is part of community involvement in the health care system (Meleis, 1992; Sawyer, 1995). Community participation is needed in improving the quality of health systems, especially in rural areas (Meleis, 1992). Community health nurses have a responsibility to increase community participation (Melo & Alves, 2019). Moreover, community participation is one of the nursing care models that can be applied at the community level (Chalmers & Knstajanson, 1989). One of the strategies in community participation is volunteering activity (Attah & Anam, 2017). Thus, the synergy between nurses and volunteers may become a key strategy in improving nursing care quality in the health care system. Nurses play a role as a leader in volunteering regarding community participation in nursing care models. In a further study, nurses may explore the consequences of volunteering in either macro-level or micro-level healthcare systems related to community participation strategy in the nursing context.

### CONCLUSION

Volunteering is a complex concept, and many surrogate concepts have similar definitions. Volunteering defines giving help freely, as long-term planned, as giving a benefit to another individual, group, or organization, working at a formal organization, as a prolonged life activity. However, this attribute is still debatable and needs to be explored. Also, the consequences of volunteering are still rarely discussed regarding consequences in the health care system related nursing care context. The pivotal role of nurses in the concept of volunteering is to develop volunteering measurement based on nursing theory and as a leader of volunteering activities.

### ACKNOWLEDGMENT

The authors would like to thank Khon Kaen University for providing the scholarship for supporting this study.

### CONFLICT OF INTEREST

The authors have no conflict of interest to declare.

### REFERENCES

- Afari-Asiedu, S., Asante, K. P., Senah, K., Abdulai, M. A., Afranie, S., Mahama, E., ..., & Owusu-Agyei, S. (2018). Volunteering for health services in the middle part of Ghana: In whose interest? *International Journal of Health Policy and Management*, 7(9), 836–846. doi:10.15171/ijhpm.2018.38
- Alavi, A., Zargham-Boroujeni, A., Yousefy, A., & Bahrami, M. (2017). Altruism, the values dimension of caring self-efficacy concept in Iranian pediatric nurses. *Journal of Education and Health Promotion*, 6(8), 1–6. doi:10.4103/jehp.jehp
- Alfes, K., Antunes, B., & Shantz, A. D. (2017). The management of volunteers—what can human resources do? A review and research agenda. *International Journal of Human Resource Management*, 28(1), 62–97. doi:10.1080/09585192.2016.1242508
- Alias, S. N., & Ismail, M. (2015). Antecedents of philanthropic behavior of health care volunteers. *European Journal of Training and Development*, 39(4), 277–297. doi:10.1108/EJTD-01-2014-0005
- Aranda, M., Zappalà, S., & Topa, G. (2019). Motivations for volunteerism, satisfaction, and emotional exhaustion: The moderating effect of volunteers' age. *Sustainability (Switzerland)*, 11(16), 1–16. doi:10.3390/su11164477

- Attah, F. M., & Anam, B. E. (2017). Volunteerism as a strategy for community development in Nigeria. *IOSR Journal of Humanities and Social Science*, 22(05), 60–65. doi: 10.9790/0837-2205036065
- Chalmers, K., & Knstajanson, L. (1989). The theoretical basis for nursing at the community level: A comparison of three models. *Journal of Advanced Nursing*, 14(7), 569–574. doi:10.1111/j.1365-2648.1989.tb01592.x
- Cherven, B., Jordan, D., Hale, S., Wetzel, M., Travers, C., & Smith, K. (2020). Nurse–patient connectedness and nurses’ professional quality of life: Experiences of volunteering at a pediatric oncology camp. *Journal of Pediatric Oncology Nursing*, 37(2), 136–147. doi:10.1177/1043454219887671
- Dowling, B. G. (2019). The value of the relationship in volunteer home support programs working with vulnerable families. *Australian Social Work*, 72(3), 357–365. doi:10.1080/0312407X.2018.1529811
- Estopinal, C. B., van Dijk, J. H., Sitali, S., Stewart, H., Davidson, M. A., Spurrier, J., & Vermund, S. H. (2012). Availability of volunteer-led home-based care system and baseline factors as predictors of clinical outcomes in HIV-infected patients in rural Zambia. *PLoS ONE*, 7(12). doi:10.1371/journal.pone.0049564
- Fegan, C., & Cook, S. (2012). Experiences of volunteering: A partnership between service users and a mental health service in the UK. *Work*, 43(1), 13–21. doi:10.3233/WOR-2012-1443
- Fothergill, A., Palumbo, M. V., Rambur, B., Reinier, K., & McIntosh, B. (2005). The volunteer potential of inactive nurses for disaster preparedness. *Public Health Nursing*, 22(5), 414–421. doi:10.1111/j.0737-1209.2005.220506.x
- Gau, Y. M., Buettner, P., Usher, K., & Stewart, L. (2013). Burden experienced by community health volunteers in Taiwan: A survey. *BMC Public Health*, 13(1). doi:10.1186/1471-2458-13-491
- Gau, Y. M., Buettner, P., Usher, K., & Stewart, L. (2014). Development and validation of an instrument to measure the burden experienced by community health volunteers. *Journal of Clinical Nursing*, 23(19–20), 2740–2747. doi:10.1111/j.1365-2702.2012.04336.x
- Gonella, S., Canzan, F., Larghero, E., Ambrosi, E., Palese, A., & Dimonte, V. (2019). Hospital volunteering experiences suggest that new policies are needed to promote their integration in daily care: Findings from a qualitative study. *Zdravstveno Varstvo*, 58(4), 164–172. doi:10.2478/sjph-2019-0021
- Held, M. L., & Lee, S. (2020). Relationship between volunteering and perceived general health of individuals with serious mental illness. *Community Mental Health Journal*, 56(2), 348–354. doi:10.1007/s10597-019-00475-9
- Hether, H. J., Murphy, S. T., & Valente, T. W. (2014). It’s better to give than to receive: The role of social support, trust, and participation on health-related social networking sites. *Journal of Health Communication*, 19(12), 1424–1439. doi:10.1080/10810730.2014.894596
- Hsiao, H. Y., Hsu, C. T., Chen, L., Wu, J., Chang, P. S., Lin, C. L., & Lin, T. K. (2020). Environmental volunteerism for social good: A longitudinal study of older adults’ health. *Research on Social Work Practice*, 30(2), 233–245. doi:10.1177/1049731519892620
- Hurst, A., Coyne, E., Kellett, U., & Needham, J. (2019). Volunteers motivations and involvement in dementia care in hospitals, aged care and resident homes: An

- integrative review. *Geriatric Nursing*, 40(5), 478–486. doi:10.1016/j.gerinurse.2019.03.010
- Hustinx, L., Cnaan, R. A., & Handy, F. (2010). navigating theories of volunteering: A hybrid map for a complex phenomenon. *Journal for the Theory of Social Behaviour*, 40(4), 410–434. doi:10.1111/j.1468-5914.2010.00439.x
- Hyánek, V., & Hladká, M. (2013). Philanthropic behaviour and motives. *Acta Universitatis Agriculturae et Silviculturae Mendelianae Brunensis*, 61(4), 923–933. doi:10.11118/actaun201361040923
- International Labour Organization. (2011). *Manual on the measurement of volunteer work in International Labour Office Geneva* (Issue March). Retrieved from [https://www.ilo.org/stat/Publications/WCMS\\_162119](https://www.ilo.org/stat/Publications/WCMS_162119)
- Islam, S., Haque, F., & Haque, A. (2014). Motivational theories – A critical analysis motivational theories – A critical analysis. *ASA University Review*, 8(June), 62–68. Retrieved from <https://www.researchgate.net/publication/306255973>
- Jack, B. A., Kirton, J., Birakurataki, J., & Merriman, A. (2011). The personal value of being a palliative care community volunteer worker in Uganda: A qualitative study. *Palliative Medicine*, 26(5), 753–759. doi:10.1177/0269216311413628
- Jenkinson, C. E., Dickens, A. P., Jones, K., Thompson-Coon, J., Taylor, R. S., Rogers, M., ..., & Richards, S. H. (2013). Is volunteering a public health intervention? A systematic review and meta-analysis of the health and survival of volunteers. *BMC Public Health*, 13(1), 1–10. doi:10.1186/1471-2458-13-773
- Kim, E. S., & Konrath, S. H. (2017). Volunteering is prospectively associated with health care use among older adults. *Social Science & Medicine*, 176(1), 139–148. doi:10.1016/j.physbeh.2017.03.040
- Ko, N. Y., Feng, M. C., Chiu, D. Y., Wu, M. H., Feng, J. Y., & Pan, S. M. (2004). Applying theory of planned behavior to predict nurses' intention and volunteering to care for SARS patients in southern Taiwan. *Kaohsiung Journal of Medical Sciences*, 20(8), 389–398. doi:10.1016/s1607-551x(09)70175-5
- Kobayashi, E., Sugihara, Y., Fukaya, T., & Liang, J. (2019). Volunteering among Japanese older adults: How are hours of paid work and unpaid work for family associated with volunteer participation? *Ageing and Society*, 39(11), 2420–2442. doi:10.1017/S0144686X18000545
- Komp, K., van Tilburg, T., & van Groenou, M. B. (2012). Age, retirement, and health as factors in volunteering in later life. *Nonprofit and Voluntary Sector Quarterly*, 41(2), 280–299. doi:10.1177/0899764011402697
- Kumar, S., Calvo, R., Avendano, M., Sivaramakrishnan, K., & Berkman, L. F. (2012). Social support, volunteering and health around the world: Cross-national evidence from 139 countries. *Social Science and Medicine*, 74(5), 696–706. doi:10.1016/j.socscimed.2011.11.017
- Leon, N., Sanders, D., Van Damme, W., Besada, D., Daviaud, E., Oliphant, N. P., ..., & Doherty, T. (2015). The role of “hidden” community volunteers in community-based health service delivery platforms: Examples from sub-Saharan Africa. *Global Health Action*, 8(1). doi:10.3402/gha.v8.27214
- McDougle, L., Handy, F., Konrath, S., & Walk, M. (2014). Health outcomes and volunteering: The moderating role of religiosity. *Social Indicators Research*, 117(2), 337–351. doi:10.1007/s11205-013-0336-5



- Meleis, A. I. (1992). Community participation and involvement: Theoretical and empirical issues. *Health Services Management Research*, 5(1), 5–16. doi:10.1177/095148489200500102
- Melo, P., & Alves, O. (2019). Community empowerment and community partnerships in nursing decision-making. *Healthcare*, 7(2), 76. doi:10.3390/healthcare7020076
- Nothwehr, F., & Rohlman, D. (2019). Employer-supported volunteerism in rural worksites. *Workplace Health and Safety*, 67(10), 512–519. doi:10.1177/2165079919862295
- Ormel, H., Kok, M., Kane, S., Ahmed, R., Chikaphupha, K., Rashid, S. F., ..., & De Koning, K. (2019). Salaried and voluntary community health workers: Exploring how incentives and expectation gaps influence motivation. *Human Resources for Health*, 17(1), 1–12. doi:10.1186/s12960-019-0387-z
- Ørtenblad, L., Væggemose, U., Gissel, L., & Nissen, N. K. (2019). Volunteering to care for people with severe mental illness: A qualitative study of the significance of professional and private life experience. *Community Mental Health Journal*, 55(2), 271–278. doi:10.1007/s10597-018-0243-y
- Paley, J. (1996). How not to clarify concepts in nursing. *Journal of Advanced Nursing*, 24(3), 572–578. doi:10.1046/j.1365-2648.1996.22618.x
- Papa, R., Cutuli, G., Principi, A., & Scherer, S. (2019). Health and volunteering in Europe: A longitudinal study. *Research on Aging*, 41(7), 670–696. doi:10.1177/0164027519834939
- Pedro, I. C. da S., Rocha, S. M. M., & Nascimento, L. C. (2008). Social support and social network in family nursing: Reviewing concepts. *Revista Latino-Americana de Enfermagem*, 16(2), 324–327. doi:10.1590/s0104-11692008000200024
- Pérez-Corrales, J., Pérez-De-Heredia-Torres, M., Martínez-Piedrola, R., Sánchez-Camarero, C., Parás-Bravo, P., & Palacios-Ceña, D. (2019). Being normal' and self-identity: The experience of volunteering in individuals with severe mental disorders—a qualitative study. *BMJ Open*, 9(3), 1–8. doi:10.1136/bmjopen-2018-025363
- Pesut, B., Hooper, B., Lehbauer, S., & Dalhuisen, M. (2014). Promoting volunteer capacity in hospice palliative care: A narrative review. *American Journal of Hospice and Palliative Medicine*, 31(1), 69–78. doi:10.1177/1049909112470485
- Pilayon, B., & Nuntaboot, K. (2017). Strengthening community volunteers in caring for people with disabilities. *Suranaree Journal of Science & Technology*, 24(3), 343–353.
- Poulin, M. J. (2014). Volunteering predicts health among those who value others: Two national studies. *Health Psychology*, 33(2), 120–129. doi:10.1037/a0031620
- Ramos, R., Güntert, S., Brauchli, R., Bauer, G., Wehner, T., & Hämmig, O. (2016). Exploring the interaction between volunteering status, paid job characteristics and quality of volunteers' motivation on mental health. *Voluntas*, 27(2), 790–809. doi:10.1007/s11266-015-9647-2
- Read, R. (2014). Images of care, boundaries of the state: Volunteering and civil society in Czech health care. *Social Analysis*, 58(3), 90–160. doi:10.3167/sa.2014.580307
- Rodgers, B. L., & Knafl, K. A. (2000). *Concept development in nursing: Foundations, techniques, and applications* (2nd ed.). W.B Saunders Company.
- Sawyer, L. M. (1995). Community participation: Lip service? *Nursing Outlook*, 43(1), 17–22. doi:10.1016/S0029-6554(95)80039-5

- Shen, H. W., & Khosla, N. (2016). Does volunteering experience influence advance care planning in old age? *Journal of Gerontological Social Work*, 59(5), 423–438. doi:10.1080/01634372.2016.1230567
- Showa, S., Kitazawa, K., Takeuchi, M., & Mori, M. (2016). Influence of volunteer-led net step exercise class on older people's self-rated health in a depopulated town: A longitudinal study. In *SSM - Population Health*, 2, 136–140. doi:10.1016/j.ssmph.2016.01.002
- Siabani, S., Driscoll, T., Davidson, P. M., & Leeder, S. R. (2016). Efficacy of a home-based educational strategy involving community health volunteers in improving self-care in patients with chronic heart failure in western Iran: A randomized controlled trial. *European Journal of Cardiovascular Nursing*, 15(5), 363–371. doi:10.1177/1474515115585651
- Singh, D., Cumming, R., Mohajer, N., & Negin, J. (2016). Motivation of community health volunteers in rural Uganda: The interconnectedness of knowledge, relationship and action. *Public Health*, 136, 166–171. doi:10.1016/j.puhe.2016.01.010
- Smith, A. (1995). An analysis of altruism: A concept of caring. *Journal of Advanced Nursing*, 22(4), 785–790. doi:10.1046/j.1365-2648.1995.22040785.x
- Söderhamn, U., Landmark, B., Aasgaard, L., Eide, H., & Söderhamn, O. (2012). Volunteering in dementia care - A Norwegian phenomenological study. *Journal of Multidisciplinary Healthcare*, 5, 61–67. doi:10.2147/JMDH.S28240
- South, J., Purcell, M. E., Branney, P., Gamsu, M., & White, J. (2014). Rewarding altruism: Addressing the issue of payments for volunteers in public health initiatives. In *Social Science and Medicine*, 104, 80–87. doi:10.1016/j.socscimed.2013.11.058
- Steunenberg, B., van der Mast, R., Strijbos, M. J., Inouye, S. K., & Schuurmans, M. J. (2016). How trained volunteers can improve the quality of hospital care for older patients. A qualitative evaluation within the Hospital Elder Life Program (HELP). In *Geriatric Nursing*, 37(6), 458–463. doi:10.1016/j.gerinurse.2016.06.014
- Stovold, E., Beecher, D., Foxlee, R., & Noel-storr, A. (2014). Study flow diagrams in Cochrane systematic review updates: An adapted PRISMA flow diagram. *Systematic Review*, 54(3), 1–5.
- Studer, S. (2016). Volunteer management: Responding to the uniqueness of volunteers. *Nonprofit and Voluntary Sector Quarterly*, 45(4), 688–714. doi:10.1177/0899764015597786
- Stukas, A. A., Hoyer, R., Nicholson, M., Brown, K. M., & Aisbett, L. (2016). Motivations to volunteer and their associations with volunteers' well-being. *Nonprofit and Voluntary Sector Quarterly*, 45(1), 112–132. doi:10.1177/0899764014561122
- Stukas, A. A., Snyder, M., & Clary, E. G. (2014). Volunteerism and community involvement: Antecedents, experiences, and consequences for the person and the situation. In *The Oxford Handbook of Prosocial Behavior* (Issue March 2014). <https://doi.org/10.1093/oxfordhb/9780195399813.013.012>
- Stukas, A. A., Snyder, M., & Clary, E. G. (2016). Understanding and encouraging volunteerism and community involvement. *Journal of Social Psychology*, 156(3), 243–255. doi:10.1080/00224545.2016.1153328
- Toftagen, R., & Fagerstrøm, L. M. (2010). Rodgers' evolutionary concept analysis - A valid method for developing knowledge in nursing science. *Scandinavian Journal of Caring Sciences*, 24(SUPPL. 1), 21–31. doi:10.1111/j.1471-6712.2010.00845.x

- Tulloch, O., Taegtmeier, M., Ananworanich, J., Chasombat, S., Kosalaraksa, P., & Theobald, S. (2015). What can volunteer co-providers contribute to health systems? The role of people living with HIV in the Thai paediatric HIV programme. In *Social Science and Medicine*, 145, 184–192. doi:10.1016/j.socscimed.2014.09.017
- Vähäkangas, A. (2014). Religious diversity in praxis: Muslim volunteers in a Christian palliative care program. *Mission Studies*, 31(2), 171–190. doi:10.1163/15733831-12341332
- Van Zon, L., Kirby, J. R., & Anderson, N. (2016). The efficacy of a volunteer-administered cognitive stimulation program in long-term care homes. *International Psychogeriatrics*, 28(6), 995–1004. doi:10.1017/S1041610215002392
- Watson, J. (2007). Watson's theory of human caring and subjective living experiences: Carative factors/caritas processes as a disciplinary guide to the professional nursing practice. *Texto Contexto Enferm*, 16(1), 129–135.
- Watt, N., Yupar, A., Sender, P., Campbell, F., Legido-Quigley, H., & Howard, N. (2016). Provider and service-user perspectives of volunteer health-worker service provision in Ayeyarwady Region, Myanmar: A qualitative study. *BMJ Open*, 6(12), 1–10. doi:10.1136/bmjopen-2016-012762
- Whittaker, J., McLennan, B., & Handmer, J. (2015). A review of informal volunteerism in emergencies and disasters: Definition, opportunities and challenges. *International Journal of Disaster Risk Reduction*, 13, 358–368. doi:10.1016/j.ijdr.2015.07.010
- Wilson, J. (2000). Volunteering. *Annual Review of Sociology*, 26, 215–240.
- Witucki Brown, J., Chen, S., Mefford, L., Brown, A., Callen, B., & McArthur, P. (2011). Becoming an older volunteer: A grounded theory study. *Nursing Research and Practice*, 2011, 1–8. doi:10.1155/2011/361250
- Yansaneh, A. I., Moulton, L. H., George, A. S., Rao, S. R., Kennedy, N., Bangura, P., ..., & Diaz, T. (2014). Influence of community health volunteers on care seeking and treatment coverage for common childhood illnesses in the context of free health care in rural Sierra Leone. *Tropical Medicine and International Health*, 19(12), 1466–1476. doi:10.1111/tmi.12383