

بسم الله الرحمن الرحيم





شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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Nurses' performance regarding Infection Control Precautions in Primary Health Care Centers

Thesis

Submitted for Partial Fulfillment of the Requirements of the
Master Degree

in

Community Health Nursing

By

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(BCs, Alexandria University, 1999)

Faculty of Nursing

Ain Shams University

(2021)

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This work is dedicated to ...

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for always being there for me

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My children

My sisters and my brothers

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List of Abbreviations

ABHR	: Alcohol-based hand rub
ACDP	: Advisory Committee on Dangerous Pathogens
AIDS	: Acquired Immune Deficiency Syndrome
APIC	: Associated of Professionals in Infection Control
BBV	: Blood borne virus
BCG	: Bacillus Calmette–Guérin
CDC	: Centers for Disease Control and Prevention
CNS	: Clinical nurse specialist's
COVID-19	: Coronavirus disease 2019
DTPa/dTpa	: Diphtheria, tetanus and pertussis
ECDC	: European Centre for Disease Prevention and Control
GP	: General Practitionair
FHF	: Family Health Fund
HAIs	: Health care-associated infections
HBV	: Hepatitis B virus
HCAI	: Healthcare-associated infections
HCWs	: Healthcare workers
HIQA	: Health Information and Quality Authority
HIV	: Human immunodeficiency virus
HRIs	: Healthcare-related infections
ICP	: Infection control practitioner
ICUs	: Intensive Care Units
IUCD	: The intrauterine contraceptive device
IWH	: Institute for Work and Health
JACO	: Joint Commission on Accreditation of health care Organization
MOHP	: Ministry of Health and Population

List of Abbreviations (Cont.)

MRSA	:	Methicillin-Resistance	Staphylococcus Aureus
MRSA	:	Methicillin-resistant S. aureus	
PC	:	Personal Computer	
PHC	:	Primary health care	
PHCA	:	PHC approach	
PHCCs	:	PHC centers	
PID	:	Pelvic inflammatory disease	
PPE	:	Personal Protective Equipment	
RNA	:	Ribonucleic Acid	
SPs	:	Standard precautions	
SSD	:	Sterile Services Department	
UHC	:	Universal health coverage	
UNICEF	:	United Nations Children's Emergency Fund	
UNMC	:	University of Nebraska Medical Center	
WHO	:	World Health Organization	
X ²	:	Chi-square test	

Nurses' performance regarding Infection Control Precautions in Primary Health Care Centers

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ABSTRACT

Background: Standards precautions are designed to protect staff from risks resulting from exposure to blood and body fluids and to protect patients from potential cross infection. Knowledge of clinical infection control practices is continually growing and changing. Therefore, the **aim** of the study was to assess nurses' performance regarding infection control precautions in primary health care centers. **Research design:** a descriptive design had been used. **Subjects:** simple random sample of a total of 379 nurse was recruited from the 1st of June 2019 to the first of December 2019, at selected primary health care centers affiliated to health affairs directorate in Kafr El-Sheikh governorate according to large number of nurses. **Tools of data collection:** three tools were used to collect data: a structured self- administrated nurses' questionnaire, observational check list, and environmental assessment checklist. **Results:** the results revealed that 44.6% of the studied nurses had average level of total knowledge, whereas 58.6% of them had incompetent practice regarding infection control precautions. Moreover, there was highly statistically significant positive linear correlation between total nurse`s knowledge about infection control precautions in primary health care centers and their practice at ($r = 0.317$, and $p = 0.000$). **In conclusion**, Based on the findings of this study, it can be concluded that ,more than one third of nurses in the current study had average overall knowledge score, while more than one half of them had incompetent practice regarding infection control precautions. A highly statistically significant positive linear correlation between total nurses' knowledge about infection control precautions in primary health care centers and their practice was pointed up. **Recommendations:** mandatory regular base educational program must be planned to overcome the weak level of knowledge and updated and the nursing practice regarding infection control standard precautions.

Keywords: Infection Control; Nurses performance; Precautions; Primary Health Care Centers.