

**Deanship of Graduate Studies**

**AL- Quds University**

**School of Public Health**



**Evaluation of the Current Strategy for Prevention  
and Control of Cancer- Gaza Governorates**

**Wissam Abou Amer**

**MPH Thesis**

**Jerusalem – Palestine**

**1433/2012**

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# **Evaluation of the Current Strategy for Prevention and Control of Cancer- Gaza Governorates**

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## Dedication

إلى المدينة التي طالما سبقت دنياها و زمانها غرة الصمود

إلى من سعى لأرتقي سلم الحياة بحكمة و صبر مثلي الأعلى والدي العزيز

إلى ملاك الرحمة على وجه الأرض والدتي العزيزة

إلى سندي و رفيق دربي و ملاذي بعد الله، إلى من دفعني إلى طريق النجاح زوجي الحبيب د.خالد

شاهين

إلى أخي و أخواتي و أزهار حياتي لنا، داوود و مارسيل

إلى كل مريض التقيته في بحثي ها أنا أحاول كما أردتم لكل طبيب أن يكون إنسان قبل أن يكون مهني

إليهم جميعا أهدي هذا البحث المتواضع

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Last but not the least, would like to thank my Classmates, friends and all who have in some way or the other contributed to the successful completion of this study.

To all, my deepest thank

## **Declaration**

I Certify that this thesis submitted for the degree of Master is the result of my own research, except where otherwise acknowledged, and that this study (or any part of the same) has not been submitted for a higher degree to any other university or institution.

Signed

Wissam Abou Amer

Date:

**Abstract:**

*Universally, cancer disease is considered as one of the first causes of premature death and disability and it is considered the third cause of death in Palestine. This study aims to evaluate the cancer control and prevention in Gaza Governorates in order to provide information that could contribute to identify the gaps in the strategy existence and development, to explore the implementation of the existing strategy and to shed light on the real situation on the ground that may be helpful to enhance any underperformance and identify future priorities.*

*The study is a triangulated, descriptive and cross sectional one that was conducted in order to evaluate the cancer strategy and prevention in Gaza.. The qualitative data included interviews with key informants as well focus groups with cancer patients. The quantitative data was represented by four checklists that identified the number of the available beds and rooms for patients, available health care human resources, diagnostic equipment and exploring the completeness of cancer patient's files.*

*The results of the study revealed that there are gaps in the strategy of cancer control in Gaza Governorates starting from planning up to implementation. Those gaps are mainly related to poor financial and administrative coordination, shortages in health care human resources and inadequate staffing, inappropriate infrastructure of oncology buildings and deficiencies in necessary equipment and supplies. Moreover, there are heavy workloads on health personnel, prolonged waiting times for patients joined with poor privacy and comfort ability. In addition, the results showed the absence of clear guidelines and policies that should regulate the workflow and referral systems between health facilities. Regarding the prevention and screening services for cancer, they are limited to some sporadic programs and plans. In addition, Cancer diagnostic services are facing many barriers that lead to the delay in the diagnosis of the disease. There are obvious shortages in some facilities which are necessary for diagnosis as tumor marker test, Gamma Camera, Linear accelerator, MRI and CT scanners, and other factors related to poor awareness of patients, physician and health system role. Regarding the offered services to treat cancer disease, there are several obstacles that decrease the quality and completeness of care such as frequent shortages in essential chemotherapy medications, lack of specialized health human resources in specific types of cancer and the absence of radiotherapy treatment. This is joined by the absence of palliative care and poor provided support to the cancer patients and their families.*

*The information system related to cancer diseases and services is also inadequate. There is an obvious poor support for the cancer registry. In addition, there are serious problems in the patient's medical records. As an outcome, the cancer patient dissatisfaction is an important result associated with high anxiety, fear, and blaming.*

*All of those factors would necessarily have its negative impacts on the overall quality of the health services provided to cancer patients. This is reflected by the patients' deep dissatisfaction with the provided health care services that should decrease their anxiety, fear and hopelessness. The study recommended enhancing the available cancer strategy as well as adopting advanced policies for cancer prevention and palliative care. In addition, to improve the infrastructure of both facilities and human resources for cancer control. The study also recommended the importance of improving the communication between health personnel and cancer patients and to improve the existing information system such as cancer registry and to increase the research studies related to cancer management and control.*

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### **List of Abbreviation**

CD	Communicable Disease
CDC	Centers for Disease Control and Prevention
COPE	Client Oriented Provider Efficient
CT	Computerized Tomography
EGH	European Gaza Hospital
EMR	Eastern Mediterranean Region
GDP	Gross Domestic Product
GG	Gaza Governorates
GNP	Gross National Product
IAEA	The International Atomic Energy Agency
ICD	International Classification of Diseases
NCD	Non Communicable Disease
NGOs	Non Governmental Organizations
MOH	Ministry of Health
MRI	Magnetic Resonance Tomography
PASSIA	Palestinian Academic Society for the Study of International Affairs
PCBS	Palestinian Central Bureau of Statistics
PHC	Primary Health Care
PNA	Palestinian National Authority
PNGO	Palestinian Non Governmental Organizations
TNM	Classification of malignant tumor (Tumor, Lymph nodes, Metastasis)
UNRWA	United Nations Relief and Works Agency for Palestine Refugees in the Near East
UNESCO	The United Nations Educational, Scientific and Cultural Organization

UNDP

The United Nations Development Program

WHO

World Health Organization