**Cairo University**

**Faculty of Arts**

**Health Services in Hajjah Governorate in Yemen**

**A Geographical study using GIS**

**الخدمات الصحية في محافظة حجة باليمن دراسة جغرافية باستخدام نظم المعلومات الجغرافية**

**This Reserch Study is present to get the Master Certificate in**

**literature Geography part.**

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**Abstract**

The study consists of five chapters commenced by an introduction

and followed by a conclusion as well as a list of references, the

introduction deals with the scope of the study, the administrative

division, the reasons of choosing that topic and the subject of the

study as well as the purpose behind it. Also, it included the previous

studies, the methodology of the study, the scientific sources and the

difficulties faced by the student as he used the systems of

geographical information within his study and his thesis included

five chapters as follows:

**The first chapter** dealt with the historic development concerning

health services about health institutions through dividing this

development into three stages:

The fist stage was in the period between (1950 and 1970), the

second (1971-1990) and the third(1991-2008), in addition the

development dealt with the governmental and private health

services including institutions, doctors ,co-doctors , pharmacists

and doctors of analysis.

**The second chapter** handled the geographical distribution of health

institutions of hospitals and healthy units or center over all the

directorates of the governorate whether this distribution was

qualitative or numerical. The distribution also included many

clinics such as dentistry's, first aid clinics and pharmacies as well as

medicine stores and laboratories.

**The third chapter** dealt with the factors affecting health services of

the governorate including the population, the natural increase of

birth and death rate, migration, means of transportation and the

governmental expenditures. Moreover it included the standard of

living, income and education. Hence the total number of these

institutions reached 237 institution including 5 hospitals, 30 health

centers and 202 health units within the governorate.

**The fourth chapter** handled the activity of these services

concerning the size of the hospitals, family number, and the total

number of those working in such institutions and this activity

included the private and governmental hospitals for 2008, the outer

clinics, emergency department and the internal department of

hospitals as well as the social economic status of those entering

hospitals for being treated.

**The fifth chapter** covered the problems facing these services and

working to get rid of such problems as it included the services

future health planning concerning getting ready for facing any

problem and covering all the population health needs with

facilitating the process of having all the health services all over the

governorate.

Finally the conclusion dealt with the findings of the researcher and

the recommendations that help in solving such problems suffered

by the services sector of Hijja governorate.