Awareness and Perception of the Specialty of Family Medicine Among Tabuk City Population

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ABSTRACT

Introduction: A family physician is a physician who takes a large responsibility for a good care of unselected patients with wide undifferentiated problems and who is treated the person regardless of age, gender, illness. The clinical experience of family practice is focused on patient-centered, evidence-based, and problem-oriented. With the important role of family medicine in the health system at the national level, serious health policy issues appear to be intractable. A large proportion of the population and lack of family medicine doctor that estimated 636 family physicians across Saudi Arabia.

Methods: A cross-sectional study conducted among Saudi and non-Saudi population in Tabuk city. Data collected via modified Arabic version questionnaires: the original questionnaires has been translating into the Arabic language, then re-translated into English and review by the linguistic reviewer to ensure correct meaning of questions, the questionnaires form it will be filled by the investigator himself. A pilot study will be conducted to establish whether patients or the investigators understand the questionnaires.

Results: A total of 454 of participants 79.3% were female, from Tabuk city were involved in this study. 265 participates (58.4%) aged between 18-28 years old, 96.3% were Saudi and 53.1% are married. Out of 454, 78.9% (358) participants had medical file in primary health care, 295 of them (65%) get the benefit from primary health care services in form of dental care, pregnancy follow up, chronic disease management and vaccination. 54.4% of the participants visit primary health care in the last 12 month.

Conclusion: Steps such as education and explanation about primary health care and the rule of family medicine physicians are required to improve public awareness.

Keywords: Family Medicine; Tabuk; Saudi Arabia.

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INTRODUCTION

A family physician is a physician who takes a large responsibility for a good care of unselected patients with wide undifferentiated problems and who is treated the person regardless of age, gender, illness. The clinical experience of family practice is focused on patient-centered, evidence-based, and problem-oriented. With the important role of family medicine in the health system at the national level, serious health policy issues appear to be intractable. A large proportion of the population and lack of family medicine doctor that estimated 636 family physicians across Saudi Arabia.1 Although, family medicine was recognized in the USA in 1969 as the 20th medical specialty board.2 While in most Arab countries, family medicine has developed slowly compared to other clinical medical specialties.3

The mainstay of health in Saudi Arabia draw up a strategic plan to achieve the national vision of 2020 in family medicine either by improving the quality of academic or the residency program. Saudi Arabia is a developing country with great resources for health care. The development and promotion of family medicine in the country are necessary in order to provide much needed cost effective care to the masses and reach to national vision of 2020. So, we established the need to see if patients visiting Specialist Physicians appreciate the role and functions of Family Physicians and what the population role to help achieve the national 2020 in developing the family medicine.

During the survey, we will not differentiate between trained and non-trained Family Physicians but concentrated on the main characteristics of Family Physicians and of Family Practice as a discipline, in patient's view. Also exploring patients' perceptions of the characteristics of the ideal Physician is useful in assessing their expectations from a Family Physician. However, there appears to be no published data on Awareness and perception of the specialty of family medicine among Saudi Arabia populations with only limited data available.
METHODOLOGY

A cross-sectional study conducted among Saudi and non-Saudi population in Tabuk city. Data collected via modified Arabic version questionnaires: the original questionnaires has been translating into the Arabic language, then re-translated into English and review by the linguistic reviewer to ensure correct meaning of questions, the questionnaires form it will be filled by the investigator himself. A pilot study will be conducted to establish whether patients or the investigators understand the questionnaires.

The sample size were calculated by the following formula Sample Size, \( n = \frac{N}{1+N(e)^2} \) , \( n = \) desired minimum sample size , \( N = \) population size and \( e = \) level of precision usually set at 5% = 0.05).

So, the sample size estimated 399.7 ≈ 400 from male or female on different age group choosing randomly.

The sampling method it will be multistage cluster sampling method. Map divided into four parts (East, West, North, and south) then randomly selected: one area of each part and the results were as follows: West area represents Tabuk University, the east area represent park prince Fahad bin Sultan, the north area represents Center point, the south area represents alraqiavenue mall. Then a simple random sample from each area is selected.

Inclusion Criteria
Adult more than 18 years old,
The person who lives in tabuk city more than two years.

Exclusion Criteria
Less than age 18 years old,
Not living in Tabuk city or living less than two years.

The following variables in the study: Besides the Basic information like: Age, Name (optional), Gender, Code number, Income, and education status, Marital status, phone number (optional), Occupation, we will measure the following data:
1. Awareness of the population to the specialty of family medicine.
2. What is the most limited part for the patient when visiting family medicine clinic.
3. Role of family medicine in the health care delivery system.
4. What family medicine physician can provide to health care.

Ethical Consideration
Study was explained to participant and informed consent was taken from the participant.

Statistical Analysis
The collected Data were entered and analyzed using the Statistical Package for Social Sciences (SPSS) statistical program version 19.

<table>
<thead>
<tr>
<th>Age</th>
<th>18-28 year</th>
<th>29–39 year</th>
<th>40-50 year</th>
<th>51-60 year</th>
<th>61 or more</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number</td>
<td>265</td>
<td>92</td>
<td>67</td>
<td>23</td>
<td>7</td>
</tr>
<tr>
<td>Percentage</td>
<td>58.4%</td>
<td>20.3%</td>
<td>14.8%</td>
<td>5.1%</td>
<td>1.5%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gender</th>
<th>Male</th>
<th>Female</th>
<th>Marital status</th>
<th>Married</th>
<th>Single</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number</td>
<td>360</td>
<td>94</td>
<td>Number</td>
<td>241</td>
<td>211</td>
</tr>
<tr>
<td>Percentage</td>
<td>79.3%</td>
<td>20.7%</td>
<td>Percentage</td>
<td>53.1%</td>
<td>46.5%</td>
</tr>
</tbody>
</table>

![Figure 1: Monthly income status](image)

Table 2: Participants knowledge toward primary health care

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number</td>
<td>%</td>
</tr>
<tr>
<td>Do you have medical file in primary health care?</td>
<td>186</td>
<td>95.9%</td>
</tr>
<tr>
<td>Do you get benefit from primary health care services?</td>
<td>187</td>
<td>96.4%</td>
</tr>
<tr>
<td>Did you visit primary health care in the last 12 month?</td>
<td>186</td>
<td>95.9%</td>
</tr>
<tr>
<td>No deference between family medicine physician and GP?</td>
<td>306</td>
<td>67.4%</td>
</tr>
</tbody>
</table>
RESULTS
A total of 454 participants (79.3%) were female from Tabuk city were involved in this study. 265 participates (58.4%) aged between 18-28 years old, 96.3% were Saudi and 53.1% are married. (Table 1, Figure 1)
Out of 454, 78.9% (358) participants had medical file in primary health care, 295 of them (65%) get the benefit from primary health care services in form of dental care, pregnancy follow up, chronic disease management and vaccination. 54.4% of the participants visit primary health care in the last 12 month. (Table 2)
According to the perception of family medicine scope of services the most chosen services are management and follow up chronic disease such as diabetes and hypertension, followed by patient referral to concerned specialty and health education. (Figure 2)
Minority of participant (27.1%) believe that Primary health care should be the first place to visit for any health problem, and 39.2% stated that they visit primary health care only to ask for referral. (Table 3)

DISCUSSION
Primary health care provide multiple services in form of dental care, pregnancy follow up, chronic disease management and vaccination, only two third of the participants get the benefit from primary health care services and this number should be increased. There is some limitation as stated by study participants include non-availability of family medicine physician.

CONCLUSION
Steps such as education and explanation about primary health care and the rule of family medicine physicians are required to improve public awareness.

REFERENCES

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