Review

Gender inequity in Saudi Arabia and its role in public health

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ABSTRACT In Saudi Arabia, local interpretations of Islamic laws and social norms have a negative impact on the health and well-being of women. The objective of this literature review was to discuss gender inequity in Saudi Arabia and its relation to public health. Despite the scarcity of recent statistics and information regarding gender inequity in Saudi Arabia, this review is an attempt to explore this sensitive issue in this country. Women’s roles and rights in Saudi society were examined, including education, marriage, polygamy, fertility, job opportunities, car driving and identification cards. Further research to assess knowledge, attitudes and practices towards health care of Saudi men and women is recommended.

L’inégalité entre hommes et femmes en Arabie saoudite et ses conséquences sur la santé publique

Introduction

Inequity based on gender exists to a varying extent in all societies and varies over time and across social and ethnic groups [1]. Within every community, nationality and class, the burden of hardship often falls disproportionately on women [2–4]. “Inequality” and “inequity” are different concepts; the former applies to any variation, while the latter applies only to both avoidable and unjust causes [5]. There are many different kinds of gender inequity in, for example, mortality rates, natality rates, basic facilities such as schooling, special opportunities for training, professional aspects such as employment, ownership of property and land, and household duties [6]. Gender inequity is usually translated into a power imbalance with women being more vulnerable. This vulnerability is more precarious in traditional patriarchal societies.

Saudi Arabia has a population estimated to be about 23 million in 2006 including 27.1% foreigners [7]. Of the Saudi citizens, 90% are Arabs and all are Muslims. Annual per capita income is about US$ 13 600 [8]. The system of government in Saudi Arabia is a monarchy, with the constitution governed by a strict interpretation of Islamic law [9]. The Council of Ministers is nominated by the King. The media (print and visual) are government owned. Policies are formulated and implemented by the government. There are no people’s representatives or independent interest groups to represent health concerns to the government. The government ran municipal elections for the first time in 2005, although women were not allowed to vote [8].

In this unique country, local interpretations of Islamic laws and social norms can have a negative impact on the health and well-being of women. The objective of this literature review was to discuss gender inequity in Saudi Arabia and its relation to public health. Women’s roles and rights in Saudi society were examined, including education, marriage, polygamy, fertility, job opportunities, car driving and identification cards.

Methods

The PubMed online database and the Google search engine were used for the literature review. The inclusion criteria were based on scope, content, accuracy, authority, currency, purpose, workability, searching, connectivity and cost of the chosen journals and web-based information [10]. Most of the sources were articles in peer-reviewed journals, websites of reputable organizations and national official websites. The WHOIS tool was used to check the ownership of the domain names.

A PubMed database search were made using the phrases “gender inequity”, “Saudi women” and “Muslim women”. The search was limited to English language articles and the period from 1985 to the present. A Google search was made for “Saudi women health” and out of 16 000 hits, the top 50 items were scanned. Related books were accessed through the general library at the University of Lund, Sweden. The Islamic holy book, the Quran, was an important source for this review. To draw some comparisons with a European country, a Google search for “Swedish health” found 99 900 hits and the top 150 items were scanned. Unpublished data, predominantly theses, were searched at the University of Lund, Sweden, the University of Leeds, United Kingdom, and the University of Gunma, Japan, but no relevant information was found.

Health care in Saudi Arabia

The health care system in Saudi Arabia is mostly owned and handled by the Ministry of Health (MOH), and health care expenditure accounted for 5.9% of the 2006 government budget. The MOH goal is to provide universal free medical care for Saudi citizens and also for the millions of international pilgrims undertaking the hajj to the holy city of Mecca. The MOH is supported directly by the government and has good infrastructures and administrative structures. About 60% of health services are provided by the MOH and 18% by other government hospitals such as universities and military hospitals which are open to the public. In the last decade more private hospitals have been established, financed by some medical companies and by self-payment. These private hospitals cover the remaining 22% of health services which are monitored by the MOH [7]. Due to the rapid increase in the population, the government has planned to adopt a health insurance policy [11] to reduce its financial burden and to improve health standards [12].

In 2006, the ratio of doctors in Saudi Arabia was 20 and of dentists was 2.14 per 10 000 inhabitants [7]. In comparison, the ratios of doctors and dentists in Sweden in 2003 were about 44.4 and 15.6 per 10 000 inhabitants respectively [13]. The infant mortality rate in Saudi Arabia was high in the early 1980s, with an estimated 118 deaths per 1000 live births [14]. By contrast, based only on deliveries of infants in hospitals of the MOH, the infant mortality rate was 18.6 per 1000 in 2006 [15]. Despite the dramatic progress in health care in the last 3 decades, the high birth rate [7] and other factors have left Saudi Arabia a country where only 70% of females are literate [8] and the child mortality rate was 20 per 1000 children in 2006 [7]. In comparison, Sweden had an estimated child mortality rate of 4 per 1000 children in 2005 [16].
Women's education

Although at present there are more female graduates than males in Saudi Arabia [9], statistics reveal that about 30% of Saudi women are still illiterate [8]. This might be because opening schools for girls initially met with strong opposition in some parts of Saudi Arabia, where nonreligious education was regarded as unsuitable for girls [17]. Moreover, coeducation is not allowed and the curriculum in girls’ schools has long been a less comprehensive version of that taught in boy’s school [9].

There is no sports education in girls’ school and it is prohibited by social norms for females to practise physical activities in public. Lack of exercise is a known cause of obesity. It is not surprising therefore that the prevalence of obesity (body mass index > 30 kg/m²) for 30–70-year-old Saudi females was 44.0% compared with only 26.4% in males [18]. In comparison the prevalence of obesity for 25–64-year-old Swedes was 11.0% for females and 14.8% for males [19].

Saudi women cannot study engineering, law or journalism. According to the latest official figures, 49.9% of the Saudi population are female [7] and barely 21% of them contribute to the social development, because it is socially unacceptable for women to work in fields other than teaching and medicine [9].

Even though Saudi Arabian women work in the medical field and have achieved good success at junior levels, they are exposed to some degree of discrimination at higher levels [20]. Furthermore, due to contact with male medical staff and patients and night shift-work, medical employment for women is not always welcomed by Saudi society and may be an obstacle to future marriage for a woman. This could explain the low level of satisfaction among Saudi female nurses [21].

Marriage

In Saudi Arabian personal status law an unmarried adult woman is the ward of her father, a married woman is the ward of her husband and a widowed woman is the ward of her sons. In a male-dominated and tribal community with a high social coherence, it is not unusual for a woman to be forced to marry a relative. More than 50% of marriages in Saudi Arabia are consanguineous [22]. The infant mortality rate is high (18.5 per 1000 in 2006) despite good health care facilities and an effective vaccination programme, and genetic diseases are probably a contributory factor [17]. Roughly 1.5 million Saudi Arubians suffer from or are carriers of inherited blood diseases and this constitutes a heavy burden to families and the nation. For instance, in a single region the prevalence of beta-thalassaemia trait alone was found to be 3.4% [23].

The law affects women’s health care at many levels. There is a MOH law preventing a woman being admitted to a government hospital unless she is accompanied by her male guardian [24]. Furthermore, especially in rural areas, a male relative may prevent a woman being treated by a male gynaecologist or obstetrician even in an emergency. An adult woman cannot herself sign the consent for an invasive medical procedure which might be urgently required [25].

Due to the fact that there is no legal minimum age for marriage in Saudi Arabian society, females can be forced by tradition to marry under the age of 16 years [26]. Early teenage marriage was found in 27.2% of Saudi Arabian women. Most of these were illiterate (57.1%), housewives (92.4%) and grand multiparae (66.7%) [27]. Thus teenage pregnancy may be a factor behind the high maternity mortality rate of 12 per 100 000 live births in 2006 [7]. In contrast, Sweden had a maternal death rate of 2.4 per 100 000 live births during 1991–93 [28].

Abortion is forbidden according to the Saudi Arabian interpretation of Islamic law and is only allowed when a medical committee decides there is a risk to the mother if she continues her pregnancy [22]. Therefore, although genetic haematological disease is common due to consanguineous marriages, antenatal screening programmes for incurable genetic diseases have no practical use. Consequently primary prevention programmes such as prenatal genetic screening tests are the only option [23].

A study has shown that a majority of Saudi Arabian mothers were unaware of the increased risks of haemoglobinopathies from consanguinity. However, the women accepted the general idea of prenatal screening with the option of abortion, presumably because most of the burden and stress of taking care of a child with a genetic disease falls on the woman [29].

An additional burden on Saudi Arabian women is the high fertility rate. It has led to a high prevalence of low bone density and osteoporosis among postmenopausal Saudi Arabian women and its complications, such as bone fractures [30]. In fact, high fertility is encouraged by society and government health policy. Like abortion, female permanent sterilization is permitted under only very restricted circumstances and both potential parents must agree [31]. Contraceptives can have an impact on better spacing between children, better child care, improvement of children’s health and preservation of the mother’s health [32]. Yet, while most Islamic scholars do not expressly forbid contraception, there is no effective family planning programme supported directly by the Saudi Arabian government.

Because of high fertility and the inaccessibility of contraception, it is the norm in Saudi Arabian society that women continue giving birth late into their reproductive life, which increases the risk of having children with congenital and genetic abnormalities.
such as Down syndrome. There is a relation between Down syndrome and advanced maternal age or increased maternal parity. Thus, the incidence of the Down syndrome in a 9-year period study in Riyadh was 1.8 per 1000 live births [33]. In comparison, the actual livebirth prevalence of Down syndrome during the same period in Sweden was 1.3 per 1000 [34,35].

Male polygamy is another issue for women in Saudi Arabian culture. In Islam polygamy is neither mandatory, nor encouraged, but is permitted [36]. It is obligatory, however, to treat one’s wives justly; this applies to housing, food, clothing, kind treatment, etc., for which the husband is fully responsible. All wives have the same status and are entitled to identical rights and claims over their husband [37]. However, polygamy can have negative impacts on the family’s physical and mental health. Wives in polygamous marriages experience higher levels of psychological distress and more problems in family functioning, marital relationship and life satisfaction than monogamous marriages, while children in polygamous families have a higher rate of school conflicts and lower school achievement compared with children from monogamous families [38–40].

In the past, Saudi Arabian women were only named, and not pictured, on family identity (ID) cards which identify them as dependants of their husbands or fathers. This means that women’s rights can be abused by their male guardians. For instance, in banks, courts and hospitals, with her face covered and without a photo-ID, the woman’s identity cannot be confirmed. If a wife delivers, the newborn could be registered under another female’s name especially if the Saudi Arabian father has more than one wife. Thus birth, marriage and death records are not reliable [9]. Recently, after a long debate with religious scholars about the permissibility of photographs of the female face, the government has allowed photo-ID cards to be issued to women. Nevertheless, as the male guardian’s consent is obligatory, many Saudi Arabian females are still unable to obtain an individual ID [9].

Discussion

The distribution of power and resources in society is a key issue for public health policy and practice [41]. The World Health Organization has stated that gender inequity is not only a threat to economic development but also to population health, including that of future generations [42]. Gender inequity in health still exists even in developed countries of the world. For example, women in the United Kingdom report more problems with access to diabetes care than men [43]. Canadian women experience higher levels of distress (depression, anxiety, poor quality of life) than men after myocardial infarction [44]. Swedish women earn 10%–20% less than men at the same occupational level and with the same level of educational achievement; this has public health implications, as 90% of Swedish single parents of children below school aged 1–6 years are women [45]. In the United States of America female gender is associated with lower annual incomes among general practitioners [46], anaesthetists [47] and psychiatrists [48].

The traditional Arab family affects women’s health in multiple ways. Fines are strictly the man’s obligation. Young women are assigned the toughest household tasks. Marriage and motherhood are highly valued, but the pressure to produce sons is strong [49]. Women can be victims of ‘honour crimes’ [50]. Poor relationships with fathers and history of abuse during adolescence can lead to depressive symptoms in girls [51]. There is an inverse relationship between the number of children a woman has and her education, income and age at marriage [52]. Education and employment status are good predictors of birth spacing preference and the health of mothers and children. The highest proportion of women with birth intervals < 3 years are reported from the Middle East (in Jordan, Yemen and Saudi Arabia) [53,54]. Consanguinity—which is associated with women’s lower education, lower socioeconomic status, younger age at marriage and higher fertility rate—remains high in many Middle Eastern countries. The prevalence of consanguinity varies from 68.0% in rural areas of Egypt to 57.7% in Saudi Arabia, 58.1% in southern Jordan, 50.5% in United Arab Emirates, 40%–47% in Yemen, 54.4% in Kuwait and 35.9% in Oman [55–63]. Literacy levels are low: for example, 68% of Yemeni females are illiterate [64]. For half of Qatari women, the husband decides whether contraception is used or not [55] and half of Saudi Arabian women have a short birth interval (< 2 years) because of the husband’s wish [53].

Only the Islamic Republic of Iran, Saudi Arabia and Sudan apply Islamic law to all matters of jurisprudence. However, different religious leaders interpret Islamic religious texts differently, particularly regarding women’s issues such as wife abuse [65] and abortion. Hessini believes that the arguments of some conservative religious leaders, who
are all men, are still being used to legitimize patriarchal practices [22]. Hassan argues that “The Qur’anic description of marriage suggests closeness, mutuality, and equality, but tradition defines a husband as his wife’s god in earthly form (despite the Qur'an prohibition against human defacement as the one unpardonable sin), her gateway to heaven, and the arbiter of her final destiny” [66]. In other verses, the Quran has indicated indirectly the optimum birth interval by specifying a suggested time of 24 months for breastfeeding (Quran 2:233; 31:14; 46:15) but there is a mistaken belief that family planning is anti-Islam [23]. Customs that were originally intended to protect women and even guarantee women’s autonomy (polygamy, inheritance rights, purdah and veiling) have, according to Hassan [66], become instead instruments of oppression.

Social norms and conservative religious beliefs have a powerful effect on women’s lives and health in Saudi Arabian society. The Saudi Arabian government issues ID cards to women but only if her male guardian allows it [9]. The government does not forbid females to practice sport in public or in segregated private places but societal norms limit females’ outdoor exercise [18]. The government has implemented a compulsory national premarital screening programme for common inherited haematological diseases. However, the purpose of the health programme is abused since the final result does not affect the validity of the marriage [23]. The same applies to female medical education, which is encouraged by the government, but can be socially unacceptable and can be an obstacle to women’s marriage [19]. There is a MOH law that permits adult woman to sign consent for some invasive radiological procedures but it is not always applied by medical employees [25]. A Saudi Arabian woman cannot be admitted to hospital without her male guardian and is not allowed to give her own consent for an invasive medical procedure [25]. Saudi Arabian law requires a male relative’s agreement before seeking work, education, travel or issuing an identity card or passport [9].

The major limitation of this review was the scarcity of recent data and information about gender inequity, particularly about health care in Saudi Arabia. Nevertheless, to our knowledge this review is the first attempt to explore this sensitive issue in this unique country. In general, there is little available research that addresses knowledge, attitudes and practices towards the health care of Saudi Arabian women and men. These may represent important areas for future research.

References


