Profile of men’s health in Malaysia: problems and challenges

Seng Fah Tong¹,², Wah Yun Low³ and Chirk Jenn Ng⁴

Men’s health concerns have evolved from the traditional andrology and male sexual health to a more holistic approach that encompasses male psychological, social and physical health. The poor state of health in men compared to their female counterparts is well documented. A review of the epidemiological data from Malaysia noted a similar trend in which men die at higher rates in under 1 and above 15 years old groups and most disease categories compared to women. In Malaysia, the main causes of death in men are non-communicable diseases and injuries. Risk factors, such as risk-taking behaviour, smoking and hypertension, are prevalent and amenable to early interventions. Erectile dysfunction, premature ejaculation and prostate disorders are also prevalent. However, many of these morbidity go unreported and are not diagnosed early; therefore, opportunities for early intervention are missed. This reflects poor health knowledge and inadequate health-care utilisation among Malaysian men. Their health-seeking behaviour has been shown to be strongly influenced by family members and friends. However, more research is needed to identify men’s unmet health-care needs and to develop optimal strategies for addressing them. Because the Malaysian population is aging and there is an increase in sedentary lifestyles, optimizing men’s health will remain a challenge unless effective measures are implemented. The existing male-unfriendly health-care system and the negative influence of masculinity on men’s health behaviour must be addressed. A national men’s health policy based on a male-friendly approach to health-care delivery is urgently needed to provide a framework for addressing these challenges.

Asian Journal of Andrology (2011) 13, 526–533; doi:10.1038/aja.2010.125; published online 28 February 2011

Keywords: aging male; cause of death; epidemiology; health promotion; Malaysia; men’s health; non-communicable diseases; risk factors

INTRODUCTION

Men’s health has been recognized as a significant health issue in the world since the late twentieth century.¹,² Increasingly, men’s health has evolved to encompass their psychological and social well-being in addition to sexual and urological health. The trigger of such changes is the acknowledgement of the discrepancy in life expectancy between men and women. The life expectancy for men at birth is shorter than that for women by an average of 4 to 6 years in almost every country in the world.³,⁴ It has also been documented that the differences in life expectancy are unlikely to be due solely to the biological differences between the sexes but are largely a result of the complex interaction between men and their sociocultural influences.⁵–⁷ Many of the causes of death in men are attributed to their lifestyles and unhealthful behaviour, such as risk-taking behaviour, poor health-care utilisation, smoking, alcohol and obesity.⁸ On the other hand, sexual health is also gaining attention due to its impact on men’s quality of life⁹ and close links to cardiovascular risk factors.¹⁰,¹¹ Although much of the knowledge about men’s health and the causes of men’s health problems is derived from studies conducted in developed countries in the West, there is increasing interest in men’s health in East Asian countries, and a few multinational studies on men’s health-seeking behaviour have been successfully conducted.¹²–¹⁴ However, most men’s health research in Asian countries is disease oriented, and Malaysia is no exception.

In Malaysia, the life expectancy for men at birth is 71.7 years compared to 76.5 years for women.¹⁵ Healthy life expectancy, which is defined as the period of life without significant disability, is 62 years for men compared to 66 years for women.⁴ The overall health status of Malaysians, in particular women and children, has improved substantially over the last 50 years.¹⁶ However, the gap in life expectancy between men and women remains.⁴ Men do not inherently have a shorter life expectancy.⁴ Therefore, men’s health is a pertinent issue in Malaysia, and effective measures are needed to improve their health status. Research and measures to improve the health status of men are lacking and are not gender streamlined.¹⁷ This paper aims to review the mortality and morbidity patterns of men in Malaysia. It will also identify research gaps and highlight potential challenges faced in the improvement of men’s health in Malaysia.

MATERIALS AND METHODS

The main sources of data used in this review included reports from the Malaysian National and Health Morbidity Study (NHMS) III of 2006,
the Malaysia Department of Statistics, the Malaysian Burden of Disease and Injury Study 2004, and the World Health Statistics 2009 (WHO). The NHMS is a national survey that has been conducted every 10 years since 1986. The participants were randomly selected from the enumeration blocks of living quarters compiled by the government of Malaysia. In the NHMS, adults were defined as ≥18 years old. We extracted information on the conditions that cause significant disease burden in Malaysia, such as cardiovascular disease and its risk factors, infection, cancer, psychological morbidities and injuries. We supplemented the findings with published epidemiological data relevant to men’s health. The relevant electronic databases (Medline, Scopus and ISI web of Science) were searched using the main keywords related to men’s health in Malaysia: prostate, lower urinary tract symptoms (LUTS), male sexual health, erectile dysfunction (ED), cardiovascular risk, alcohol, smoking, exercise and obesity. The full list of search terms is available from the author. We included all publications in the last 15 years that reported on the epidemiological data of interest. Due to the heterogeneity of the methods and the reporting used in the studies, we could only provide a narrative summary of the findings. In addition to reporting the prevalence and incidence rates of the disorders, the disability-adjusted life years (DALYs) are also presented to indicate the disease burden. DALY takes into account the fatal and non-fatal outcomes, which therefore makes the comparison of the burden of diseases with different mortality rates possible. One DALY is equivalent to one lost year of healthy life due to premature death or disability.

RESULTS

Mortality rate and causes of death in Malaysian men

The adult mortality rate reported by WHO in 2007 for men aged 15–60 years was almost double that of women (Figure 1). Compared to the data in 1990 and 2000, the decline in mortality rate for females was 30 per 1000 population since 1990 compared to only 25 per 1000 for males. Local published data from the Department of Statistics of Malaysia also showed that the number of deaths in men was higher in under 1 and above 15 years old groups compared to women (Figure 2). With the overall improvement in socioeconomic status in Malaysia since independence in 1957, the major causes of death in Malaysia have shifted from communicable diseases to chronic non-communicable diseases, such as cardiovascular disease. Hypertension was noted to be an important health risk as early as 1975. At that time, communicable diseases contributed to 28% of years of life lost compared to 55% from non-communicable diseases and 17% from injuries. In 2006, the most common causes of death in men were as follows: ischaemic heart disease, which constituted 13.3% of total certified death; motor vehicle accidents (7.9%); septicaemia (6.3%); cerebrovascular disease (6.3%); and pneumonia (5.2%). Cancer was the seventh most common cause of medically certified death and the third most common cause of non-medically certified death in Malaysia. In 2000, tracheal, bronchial and lung cancers were the ninth most common cause of death in men, whereas breast cancer was the eighth most common cause of death in women.

Cardiovascular risk factors

According to the Malaysian Burden of Disease and Injuries Study 2000, the disease accounting for the largest share of disease burden in men was cardiovascular disease, which contributed to 20% of the total DALYs in men. Therefore, modifiable cardiovascular risk factors are among the most important morbidities in men. The prevalence of modifiable cardiovascular risk factors in men has escalated since the first NHMS in 1986. In addition to lifestyle risks, hypertension was found to be the most prevalent modifiable risk factor among men aged 18 years and older (33.2%) in the NHMS III 2006. This was followed by hypercholesterolaemia, defined by a fasting total serum cholesterol of ≥5.2 mmol l⁻¹ (18.6%) and diabetes (11.9%). Among men who were diagnosed with hypertension and hypercholesterolaemia, only 31.5 and 21.3%, respectively, were aware of their condition. Of the 11.9% of men who were diagnosed with diabetes, up to 5.1% were newly diagnosed at the time of the survey based on a modified glucose tolerance test. Impaired glucose tolerance (IGT) was noted in 5.2% of the participants who were not known to have IGT in the survey. Abdominal obesity and general obesity, which were defined as a waist circumference of more than 90 cm and a body mass index of ≥30, respectively, were noted in 7.3% and 10.0% of the male respondents, respectively. The lifestyle risks related to cardiovascular disease were more prevalent than hypertension. The prevalence of current adult male smokers was 46.6%, and the prevalence of physical inactivity was 35.3%. In addition to the NHMS III, there were
other smaller community studies that compared cardiovascular risk between urban and rural settings (Table 1). Although the prevalence of hypertension and hypercholesterolaemia in men was similar between urban and rural settings, the prevalence of obesity and diabetes was at least two times higher in urban settings. In contrast, smoking was more common in rural settings (Table 1). The prevalence of hypercholesterolaemia in local and regional studies was higher than that reported in the NHMS III because the men in the smaller studies were older. Nevertheless, the prevalence of all cardiovascular risk factors was high. Except for smoking, the prevalence of cardiovascular risk factors increased with age.18

Injuries
In the Malaysian Burden of Disease and Injuries Study 2000, injuries contributed to 16% of total DALYs in males.22 This was considerably higher than that of females, in whom injuries contributed to 6% of total DALYs.22 The types of injuries included road traffic injuries and injuries from occupational and other social activities. In males, road traffic accidents accounted for approximately 62% of the total burden of injuries. The DALY due to road traffic accidents was approximately five times higher in males than in females.22 For non-fatal unintentional injuries within the last year, the NHMS 2006 reported an overall incidence of 16.2%. Males, compared to females, accounted for the majority of the injuries sustained in schools (7.0% versus 6.0%), at work (4.8% versus 3.1%), on the road (4.4% versus 2.5%) and during recreational activities (1.7% versus 0.7%) but not injuries sustained at home (6.5% versus 6.8%).

Communicable diseases
Although communicable diseases may not be the most important disease burden in men, they nonetheless contributed to 10.1% of the total DALYs compared to 8.1% in women.22 The majority of the burden in men (62%) is due to septicaemia, followed by lower respiratory infections and HIV. The majority of septicaemia occurred in old age. For most infectious diseases, men have higher DALYs compared to women, particularly for tuberculosis and HIV infection (Figure 3).22

Psychological health
Based on the Malaysian Burden of Disease and Injury study 2000, mental disorders accounted for 8% of the total DALYs in men.22 A DALY is a better indicator of the burden of mental disorders because only 3% of the burden is due to mortality. Overall, major depression accounted for 45% of the burden of mental disorders. Alcohol and drug dependence occurred predominantly in men, whereas anxiety and depression were more common in women (Figure 4). Intentional injuries accounted for 1.7% of DALYs for the total population. Up to 98% of the burden from intentional injuries was due to mortality from the injuries. Self-inflicted injuries (suicide) and violence (including homicide) were the main causes of intentional injuries. For both causes, the DALYs for men were two to three times higher than those for women (Figure 4).

In the more recent 2006 NHMS III, the overall prevalence of psychiatric morbidity, as measured by the General Health Questionnaire (GHQ-28), was 11.2% (men: 10.4%; women: 12.1%). The overall prevalence of acute suicidal ideation was 6.4%, and the prevalence of chronic suicidal ideation was 26%. Among those with acute suicidal ideation, the prevalence in men was 5.9%, whereas that in women was 6.7%. As for chronic suicidal ideation, the prevalence in women was slightly higher (25.8%) than in men (25.0%). The overall prevalence of acute insomnia was 14% (men: 13.1%; women: 15.1%). In terms of chronic insomnia, the overall prevalence was 47.8% (men: 45.5%; women: 50.1%). In addition to the above data, other subscales measured by the GHQ-28 include depression, anxiety and social dysfunction. In terms of the depression subscale, females had a significantly higher depression score (mean of 1.2; 95% confidence interval (CI): 1.2–1.3) compared to males (mean of 1.1; 95% CI: 1.0–1.1). Similarly,

Table 1 Prevalence of cardiovascular risk factors in urban and rural settings

<table>
<thead>
<tr>
<th>Cardiovascular risk factors</th>
<th>Prevalence in men</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Urban settings</td>
</tr>
<tr>
<td>Hypercholesterolaemia (TC &gt;5.2 mmol l⁻¹)</td>
<td>70.1</td>
</tr>
<tr>
<td>Obesity (BMI &gt;25)</td>
<td>65.8</td>
</tr>
<tr>
<td>Hypertension</td>
<td>30.2</td>
</tr>
<tr>
<td>Diabetes</td>
<td>21.4</td>
</tr>
<tr>
<td>Smoking</td>
<td>19.1</td>
</tr>
</tbody>
</table>

Abbreviations: BMI, body mass index; TC, total cholesterol.

Figure 3 The burden of infectious disease by sex in Malaysia in 2000.22 Adapted with permission.

Figure 4 The burden of mental disorders by sex in Malaysia in 2000.22
females had a significantly higher anxiety subscale score at a mean of 3.3 (95% CI: 3.2–3.4) compared to males, with a mean of 3.0 (95% CI: 2.9–3.1). However, no gender differences were observed in the social dysfunction subscale scores.

In summary, the proportion of men who suffer from mental disorders was significantly lower than that of women. However, men contributed to the majority of deaths caused by suicide and the DALYs due to drug and alcohol dependence.

Cancer

In the Malaysian Burden of Disease and Injuries Study 2000, cancer was responsible for 6% of the total DALYs in men.34 According to the national cancer registry, over a period of 3 years from 2003 to 2005, the age-standardized male cancer incidence was 136.9 per 100 000 population compared to the female incidence of 156.9 per 100 000 population in Peninsular Malaysia.31 However, excluding sex-specific cancer types, the incidence rates of common cancers were higher in men than in women (Figure 5).30 The most common cancer in males was colorectal cancer, which accounted for 14.5% of the total incidence of cancer. This was followed by lung cancer (12.2%), nasopharyngeal cancer (7.8%; mainly among Chinese), prostate cancer (7.3%) and leukaemia (6.5%). The incidence rates were 20.9 per 100 000 population for colorectal cancer (1.2 times higher than in females), 20.9 per 100 000 population for lung cancer (3 times higher than in females), 9.2 per 100 000 population for nasopharyngeal cancer (3 times higher than in females) and 7.0 per 100 000 population for leukaemia (1.5 times higher than in females). The age-standardized incidence of prostate cancer was 12.0 per 100 000 population in 2005, which was higher than the incidence of 10.3 per 100 000 population in 2003.32 Testicular and penile cancers were relatively uncommon, and the age-standardized rates were only 1.1 and 0.3 per 100 000 population, respectively. The epidemiology of cancers is changing. In 1985, the three most common sites of male cancers in East Malaysia were lymph nodes, nasopharynx and skin.33 Similarly, in 1994, a regional survey and a local registry in Peninsular Malaysia documented that the five most common male cancers were lung, nasopharynx, stomach, urinary bladder and rectum.34 Colorectal and prostate cancer was not in the list of the five most common cancers. However, a more recent audit of cancer cases treated at a tertiary referral centre in 2008 found a fourfold increase in the numbers of colorectal cancer treated at the hospital since 2000. The number of prostate cancer treated also increased from fewer than four cases treated in 2000 to 25 cases in 2007.35

Prostate and male LUTS

To date, there has been no large-scale national study on prostate disorders in Malaysia. However, there have been several local studies on the prevalence of prostate disorders. Two studies involved men who were randomly selected from the community: the Subang men’s health study17,24 and the Penang study.26 In the study on urban men older than 40 years from Subang, the prevalence of a self-reported ‘prostate problem’ in 2003 was 11.4%. However, the prevalence of LUTS in the same study, as defined by the International Prostate Symptoms Score scale of >8, was 29.0%;17,24 In 2006, the Penang study, which included both urban and rural respondents of the same age group, revealed that the prevalence of LUTS with the same definition was 6.2%. Two other community studies that used convenient sampling methods documented prevalences of 34%37 and 58.5%.38 The higher of these two rates is most likely an overestimation because they recruited men above the age of 50 years compared to 40 years in the two former community surveys. In an attempt to assess public awareness of benign prostate hypertrophy, Zainal et al.39 recruited 200 men aged 40 years and above, who were admitted to a district hospital in 2005 to assess their level of awareness; 90% of the respondents were noted to be unaware of their condition.

Prostatitis was another prostate disorder in which the epidemiology of the disease was studied. In a survey of randomly selected men aged 20–50 years from Penang, the prevalence of chronic prostatitis was 8.7%.40 Prostatitis was believed to be under-diagnosed because less than 1% of the men treated in primary care settings in the same location was diagnosed with chronic prostatitis.41

Male sexual health

The Global Study of Sexual Attitudes and Behaviours,42 which surveyed men aged 40 years and above, showed that 91.1% of Malaysian men had been sexually active within the last 12 months. ED is the most commonly studied male sexual health condition in Malaysia. A total of five large-scale community surveys on the epidemiology of ED were identified. One of the studies was part of a multinational study on sexual health.42 The reported prevalence of erectile dysfunction ranged from 17.2%42 to 53.6%.13,24,36,43 The lowest prevalence rate was reported by Nicolosi et al.13 in a multinational study; however, that study had a low response rate of 16% in Malaysia. The findings from the other three local studies were more consistent and showed that the prevalence of moderate to severe ED (defined as an IIEF-5 score <17) ranged from 37.3 to 53.6%.24,36,43 The prevalence of ED increased with age. In the 40- to 49-year age group, the prevalence was 4.8%, followed by 22.2, 40.3 and 79.5% in the 50- to 59-, 60- to 69- and ≥70-year age groups, respectively.36 There was no association between ED and ethnicity (Malay, Chinese and Indian).24,43 However, there were significant associations between ED and obesity,24,36 smoking,36 diabetes,36,43 hypertension36 and depression.24

Premature ejaculation (PE) is another male sexual health condition that has been studied.43 In a study on PE that involved men older than 20 years in an urban setting, the prevalence was 22.3%.43 The study used a self-reported intravaginal ejaculation latency time of ≤ 2 min as the definition of PE. Its prevalence was found to be the highest (17%) among men aged 20–29 years, followed by 13%, 9% 1% and 0% for the

Figure 5 Age-standardized incidence of cancer per 100 000 population by sex in Peninsular Malaysia, 2003–2005.31
30- to 39-, 40- to 49-, 50- to 59- and 60-year age groups, respectively. Approximately 60% of men with anxiety and depression who scored ≥11 points on the Depression Anxiety Stress Scale had PE. The prevalence of PE was four to five times higher among men with anxiety and depression compared to men without these disorders.

DISCUSSION

Men’s health status in Malaysia

The findings of this review confirmed the state of health among Malaysian men, which is worrisome for several reasons. First, the life expectancy at birth is lower in men compared to women in Malaysia. This finding is similar to the pattern observed worldwide; the life span of men, on average, is 3.9 years shorter than that of women. The death rates were also higher in men across all age groups as observed in other regions in the world.

Second, the prevalence of disease and modifiable risk factors contributing to the cause of death is higher among men. These disorders and their associated risk factors are preventable or amenable to early interventions. The main causes of death are cardiovascular disease and injuries (including traffic accidents). Cancer-related death is also becoming a major health problem among Malaysian men, with an increasing incidence of colorectal, lung, laryngeal and prostate cancers. Risk factors, such as smoking, hypertension, hypercholesterolaemia, diabetes and risk-taking behaviour, can be managed using effective interventions (for example, death from injuries could be reduced with modifications of risk-taking behaviour). In addition to smoking, the prevalence of other cardiovascular risk factors is increasing at an alarming rate. The prevalence of hypertension in men aged 30 years and above has increased from 33% in 1996 to 42% in 2006; the prevalence of diabetes mellitus has increased from 8% to 15%, high cholesterol from 20 to 26% and obesity from 3 to 10% over the same period. On the other hand, smoking decreased minimally from 49.7% in 1996 to 48.8% in 2006.

Third, many of these risk factors remain undetected, and early interventions are therefore not performed. In the NHMS 2006, the rates of newly diagnosed diabetes and IGT in male participants (5.1 and 5.2%, respectively) were significantly higher than those for female participants, who showed rates of only 4.1 and 3.5%, respectively. This is most likely because women are typically screened during their antenatal period, which leads to the identification of diabetes and IGT. In contrast, men are not privy to such screening opportunities. In addition, the NHMS 2006 showed that many men were also unaware of their hypertension and hypercholesterolaemia status. Similar findings were observed in a survey of men in an urban setting in Malaysia. These silent risk factors and disorders can only be diagnosed and treated if men attend health checks. Furthermore, women have a higher self-reported prevalence of mental disorders compared to men, but men have higher death rates due to self-inflicted injuries. This suggests that men may not recognize or report their mental problems but may rather allow their illness to progress before seeking help. Therefore, shorter life expectancy and the high prevalence of modifiable health risks among men will continue to be important health issues as long as they remain undetected or unreported. The problems will escalate as the country develops mainly because of the increasingly sedentary lifestyles and the rapidly aging population.

Male urological conditions and sexual health problems are also prevalent. The high prevalence of LUTS in Malaysia is consistent with the findings in many other countries, and it increases with age from 13 to 56% for the age groups 40–49 years to >70 years respectively. The high prevalence of ED in Malaysia is also consistent with rates reported across the world; prevalence of ED ranges from 15 to 54% for men above 40 years of age. Despite the high prevalence and substantial impact of LUTS and ED on men’s quality of life, many men still do not seek treatment. This review noted that the rates of self-reported LUTS and ED among men in the community were much lower compared to those of men diagnosed objectively in the surveys. The prevalence of LUTS based on the self-administered International Prostate Symptoms Score questionnaire was also lower in surveys in rural settings, which reflects the lower level of awareness of LUTS; this further supports the fact that a significant number of men with LUTS are undiagnosed and are therefore deprived of effective treatment. Under-reporting of ED and LUTS is not unique to the Malaysian setting; studies from Japan and the United Kingdom and the global sexual health survey consistently found under-reporting of LUTS and ED.

PE is another common sexual health problem that is under-researched in Malaysia, and to date, there has only been one published study on PE in Malaysia. The prevalence of PE in various large-scale studies is estimated to be 22–38% across all age groups of men. PE is increasingly recognized as a major sexual health problem for men because of its negative impact on quality of life. Furthermore, ED is associated with an increased risk of future cardiovascular events. Therefore, screening for ED is warranted because it acts as the sentinel marker for cardiovascular disease.

The male mortality and morbidity patterns in Malaysia are similar to those of East Asian countries and other developed countries (Table 2). Although communicable diseases patterns in Malaysia are similar to those of East Asian countries and other developed countries. This burden is no different from the data documented worldwide. Exploratory research is needed to identify the reasons for poor health status in men. In Malaysia, we need good-quality exploratory research in various areas to guide the development of effective interventions to improve this health status of men. Such research areas include the following: (i) men’s health-seeking behaviour and factors that influence it; (ii) health-care utilisation by men and whether this could be a factor in the poor health status of men; (iii) health needs assessment of men from the perspective of men because they are the main stakeholders in their own health; and (iv) whether health service delivery meets the expectations and needs of men.

In one study that identified factors influencing health-seeking behaviour in men with sexual problems, it was found that the major factor that motivates men to seek help for ED was their wives’ dissatisfaction with the sexual relationship. In another study on general men’s health issues, the important motivators of healthy lifestyles were positive family values, triggers from acute illnesses and the push factors from wives and friends. On the other hand, the important barriers to adopting healthy lifestyles were lack of time to exercise and high health-care costs; for smokers, the major barrier was the enjoyment of the companionship of their fellow smokers. Other barriers identified...
Profile of men’s health in Malaysia

SF Tong et al

Table 2 Comparison of men’s mortality and morbidity statistics between selected Asian countries

<table>
<thead>
<tr>
<th>Selected Asian countries</th>
<th>Life expectancy at birth</th>
<th>HALE</th>
<th>Age-standardized death rates per 100 000 males</th>
<th>Prevalence of lifestyle risk factors</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Cardio-vascular diseases</td>
<td>Malignant neoplasm</td>
</tr>
<tr>
<td>Japan</td>
<td>79</td>
<td>73</td>
<td>129.5</td>
<td>167.1</td>
</tr>
<tr>
<td>Singapore</td>
<td>79</td>
<td>71</td>
<td>191.9</td>
<td>141.3</td>
</tr>
<tr>
<td>Republic of Korea</td>
<td>76</td>
<td>68</td>
<td>190.0</td>
<td>243.6</td>
</tr>
<tr>
<td>China</td>
<td>72</td>
<td>65</td>
<td>297.8</td>
<td>183.1</td>
</tr>
<tr>
<td>Malaysia</td>
<td>71</td>
<td>62</td>
<td>287.3</td>
<td>159.3</td>
</tr>
<tr>
<td>Vietnam</td>
<td>70</td>
<td>62</td>
<td>331.4</td>
<td>138.3</td>
</tr>
<tr>
<td>Indonesia</td>
<td>66</td>
<td>60</td>
<td>367.9</td>
<td>139.2</td>
</tr>
<tr>
<td>Thailand</td>
<td>66</td>
<td>59</td>
<td>162.8</td>
<td>156.7</td>
</tr>
<tr>
<td>India</td>
<td>63</td>
<td>56</td>
<td>409.7</td>
<td>105.8</td>
</tr>
<tr>
<td>Pakistan</td>
<td>63</td>
<td>56</td>
<td>436.1</td>
<td>107.1</td>
</tr>
<tr>
<td>Myanmar</td>
<td>53</td>
<td>48</td>
<td>472.9</td>
<td>123.0</td>
</tr>
<tr>
<td>Afghanistan</td>
<td>40</td>
<td>36</td>
<td>820.5</td>
<td>194.2</td>
</tr>
</tbody>
</table>

Abbreviation: HALE, Healthy life expectancy.

a Road traffic accidents, poisonings, falls, fires and drownings.

b Litres of pure alcohol/person/year.

Challenges ahead

There are many challenges ahead in promoting and improving men’s health in Malaysia. Malaysia is a rapidly developing country with an increasing standard of living. Life expectancy at birth is increasing, and the population is aging. Therefore, men’s health problems are escalating at an alarming rate. The problems are compounded by the lack of accessible men’s health information and perception of invulnerability to illness. These studies highlighted the significant influence of men’s family and friends on their health behaviour. It also demonstrated that men require triggers to adopt healthy behaviour. These findings are consistent with the results from studies in Western countries, which have shown that men’s health behaviour is greatly influenced by the societal expectations of men and the need to uphold the masculine image.7,59–61 Men seeking help or adopting healthy lifestyles are perceived as demonstrating weakness, and these behaviours represent a threat to their masculinity.59–61 They would accept health-promoting activities only if they are ‘asked to’. When men are asked directly whether they care about their health, many men would say yes without hesitation.58,64 However, despite the advances in men’s health psychology, there is still a lack of evidence in many areas mentioned above, such as men’s unmet needs and how they would like to be involved in health care. Evidence-based strategies that are sensitive to men’s needs are also lacking.62 Strategies for effectively communicating health messages to men and engaging them in health care are needed. These strategies will include effective public health education, health-care delivery, cultivating healthy lifestyles and imparting health messages to men.

Resources and concerted efforts will be directed towards promoting men’s health if such policy is made available. Although certain activities have been targeted at health issues related to men at the national, regional or local levels, such as health campaigns for non-communicable diseases, healthy lifestyle, smoking cessation, occupational health, injury prevention and family health,17 they do not cater specifically to men. Important factors that underlie men’s specific health problems, such as men’s health-seeking behaviour and myths about men’s health, are not being addressed. Therefore, without a men’s health policy, health campaigns for men will remain fragmented, and health-care delivery will not be male gender sensitive.

Myths about men being ignorant about their health still prevail within Malaysian society, but they are not substantiated by evidence. It is easy to adopt an accusatory attitude towards men who refuse health promotional activities, but this is not helpful in resolving men’s health issues. A qualitative study of urban men older than 40 years in Malaysia found that men have the utmost desire to stay healthy.58 However, they found many obstacles in seeking health promotional services, such as time constraints, high cost, lack of information and lack-healthy-care worker competence.58 Moreover, the health services are not male-friendly.67–69 Securing a job and having lots of money are seen as symbols of manliness.70 Therefore, long hours of waiting in consultation rooms and expensive health promotional activities could potentially deter men from optimally utilizing health services. An approach to targeting the needs of patients has already been successfully used in women and child health services, where mobile clinics to most remote parts of Malaysia are made available.16 The challenge is to reposition the system to acknowledge the health-care needs of men.

Perhaps the greatest challenge to men’s health promotion is the undoing of the negative influence of society on men; that is, men’s need to uphold their masculine image. The image of a ‘real man’ is a man who is in control in his life.70 Taking up health promotional activities and seeking help for one’s health problems are seen as giving away that control. Health-care providers also expect men to be independent, to take charge of their health and to adapt themselves to the present health-care system. ‘Men should present early rather than late for their illness’ is a common remark. Together with the myths about men’s health, society does not seem to provide a supportive environment for men to utilize health promotional activities.
CONCLUSIONS
Recognizing and addressing men’s health issues is long overdue in Malaysia. Although this review focuses on the Malaysian setting, it should be applicable to other Asian countries who share many cultural values with Malaysia. It is certainly not a new problem, but one that has only surfaced through careful study of male mortality and morbidity patterns while acknowledging the impact of gender on health. In many parts of the world, men’s health has drawn interest via promotion of male sexual and urological health. However, such efforts have been made to take a more holistic approach and to address the underpinnings of men’s health issues through men’s health psychology. In Malaysia, recognizing men’s health issues is in its infancy, with many gaps in our knowledge and challenges to be addressed. The needs assessment from various stakeholders in the men’s health area should include men in the community, health-care providers and policy makers. The Malaysian society must adopt a more positive attitude towards men’s health. Health promotion has to be seen as an important agenda during every encounter with a male patient in a clinic. Service providers must cater to men’s needs rather than instructing them to adapt to the present health-care system. A more gender-sensitive approach, which has been advocated for women’s health, must be applied to tackle the growing men’s health issues in Malaysia.

COMPETING FINANCIAL INTERESTS
The authors declare no competing financial interests.

ACKNOWLEDGMENTS
We thank Masni-Azian Akiah for helping with the formatting of the manuscript.


57 Ng CJ, Low WY, Choo WY, Tan HM. Exploring the factors influencing health seeking behaviour of men with ED. Asian J Androl 2004; 6: 188.


