Obesity and the Warning Trends
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The Magnitude of Obesity Epidemic

The global increase of prevalence of obesity worldwide triggers the alarm of devastating consequences. Worldwide obesity has nearly tripled since 1975 [1]. In 2016, more than 1.9 billion adults, 18 years and older, were overweight, of these over 650 million were obese [1]. Children unfortunately are also affected, 41 million children under the age of 5 were overweight or obese in 2016 and Over 340 million children and adolescents aged 5-19 were overweight or obese in 2016 [1]. This trend has affected almost all countries and does not appear to spare the developing world. The Arabian Gulf countries have ranked consistently in the first ten positions in the world prevalence of obesity.

Below are the countries with the highest prevalence of obesity (in percentage) in the Middle East [2]. The report measures levels of obesity using the Body Mass Index (BMI) which is a person's weight in kilograms divided by the square of height in meters.

1. Kuwait - 37.9%
2. Jordan - 35.5%
3. Saudi Arabia - 35.4%
4. Qatar - 35.1%
5. Libya - 32.5%
6. Egypt and Lebanon - 32%
7. United Arab Emirates - 31.7%
8. Iraq - 30.4%

Obesity and Diabetes

The global increase of obesity prevalence has led to an explosion in the number of diabetic patients, the metabolic syndrome and other complications worldwide. According to a 2016 study from the World Journal of Diabetes, the Middle Eastern and North African region has the second highest rate of increases in diabetes in the world. This could be due to genetic risk, rapid urbanization and lack of exercise [2]. In the Arab world only the number of people with diabetes is projected to increase by 96.2% by 2035. The International Diabetes Federation (IDF) estimates from 2013 [3], three countries from the Arabic world are among the top 10 countries worldwide for the prevalence of T2DM; these countries are Saudi Arabia, Kuwait and Qatar. A recent analysis showed a significant increase of 30.5% in the prevalence of T2DM among children and adolescents aged 10-19 years old in United States from 2001 to 2009 [4]. The figures from the Arab world is more alarming, a recent data from Saudi Arabia reports an age-specific prevalence of 1 per 1000 for T2DM in children less than 18 years old [5], which was similar to the highest prevalence found in specific groups (American Indian and African American) in United States [6]. Unfortunately obese patients have poor prognosis if they develop T2DM and suffer higher rates of microvascular complications and mortality [7,8].

Obesity has also been linked to a wide variety of other medical health problems. This list include cardiovascular diseases (mainly heart disease and stroke) which were one the leading cause of death, Nonalcoholic fatty liver disease (NAFLD), and some cancers (including endometrial, breast, ovarian, prostate, liver, gallbladder, kidney, and colon).

Etiology of Obesity

The global cultural change in the eating behavior, rabid urbanization with the availability of an easy access to food worldwide and the sedentary lifestyle have led to an energy imbalance between calories consumed and calories expended. The widely usage of electronic games and other digital game devices have also contributed significantly in the raise of obesity prevalence [9]. There are also environmental factors like pollution and the high temperature in certain areas of the world that makes people home restrained and shortens the time available for physical activity.

Future Direction

There is an international call to unit all efforts to fight the epidemic of obesity. Organizations like the United Nations, World Health Organization, and World Bank emphasize the need to focus on younger generations now to control thenon-communicable diseases associated with obesity in the future [10,11]. There should be governmental strategies for healthier communities. These strategies should include all governmental and nongovernmental sectors that are involved in the contribution of the risk factors to develop obesity. Below are some of the initiatives that could be taken to tackle this complicated issue:

1. Media campaign to educate the communities regarding a healthier eating habit and promoting physical activities.
2. Educate students at school and universities regarding living healthy by cutting down the amount of fast food and soft drinks consumed and to a void a sedentary life style.

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3. Construct the residential areas to include parks and walking areas that are safe and away from pollution.

4. Educate families to restrict the time available for electronic game devices and encourage their children to be more active.

Competing Interests

The author declare that there is no competing interests regarding the publication of this article.

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