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the 1990s, the number of people in the world who are obese has increased by 100% (World Health Organization 2000).

Obesity is a complex condition, with many causes and consequences. It is a leading cause of death and disability in the United States, and is associated with a number of chronic diseases, including heart disease, diabetes, and certain types of cancer. Obesity is also a major risk factor for many other health problems, including high blood pressure, asthma, and depression.

There are many factors that can contribute to obesity, including genetics, diet, and lifestyle. In the United States, the most common cause of obesity is a combination of poor diet and lack of physical activity. The typical American diet is high in calories, fat, and sugar, and low in fiber and other nutrients. This leads to an excess of calories being consumed, which is stored as fat in the body.

Lack of physical activity is another major factor in the development of obesity. In the United States, most people lead a sedentary lifestyle, spending most of their time sitting or standing. This leads to a low level of energy expenditure, which means that the calories consumed are not being burned off. This leads to an excess of calories being stored as fat in the body.

Genetics also play a role in the development of obesity. Some people are genetically predisposed to obesity, meaning that they have a higher tendency to gain weight than others. This is due to a combination of factors, including the number and type of fat cells in the body, and the way the body processes and stores fat.

Obesity is a complex condition, and there are many factors that can contribute to its development. In the United States, the most common cause of obesity is a combination of poor diet and lack of physical activity. Genetics also play a role in the development of obesity. Understanding the causes of obesity is the first step in developing effective treatments and prevention strategies.

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# Parallel Processing Notations

Algorithm Design





**Additional Two Keywords:**

• Spawin

Parallel For

• *SynC*

**Functional Decomposition**