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Diabetes, Obesity & Metabolic Syndrome

Diabetes is one of the most challenging health problems in the 21st century and one of the most common non-communicable diseases globally. It is the 4th or 5th leading cause of death in most high-income countries, with ~366 million diabetics in 2011 and an estimated 552 million in 2030. About 11% of total adult healthcare expenditure in the US and 8-18% in the EU is diabetes related. Asia is emerging as the epicenter of the diabetes epidemic. India and China have the greatest numbers of people with diabetes, and by 2025, they could each have 20 million affected individuals. The global diabetes drug and devices market is estimated to be a whopping 72.4 billion by 2018. Understandably the number of studies on diabetes over the last 20 years has also been extraordinary.

On the other hand, obesity has also become a world-wide epidemic. For the first time in human history, the number of overweight people rivals the number of underweight people. Globally there are > 1 billion overweight adults with about 300 million clinically obese. Of the 22 industrialized countries, the U.S. has the highest obesity statistics. About 2/3rd of Americans over age 20 are overweight. About 1/3rd of Americans over age 20 are obese. According to new statistics released by the CDC, the number of obese American adults (~34%) now outnumber those who are overweight (~33%). It is estimated that if current obesity trends continue, by the year 2030, 86.3% of adults will be overweight or obese and 51.1% will be obese and by 2048 all adults will be overweight or obese. Obesity-related annual healthcare costs in the US equals about 240 billion. Obesity is also responsible for 2-8% of healthcare costs and 10-13% of deaths in different parts of EU. In the South-East Asia Region, about 300,000 people die of obesity every year.

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Diabetes, Obesity & Metabolic Syndrome Categories

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- ▶ Assay Kits
- ▶ Cytokines, Growth Factors and Hormones
- ▶ Lipids Metabolism
- ▶ Simulating Pathways in Diabetes and Obesity