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DIABETES AND ITS IMPACT ON ECONOMY OF A COUNTRY

Abstract: diabetes is chronic disease that is effecting millions of people which has far reaching consequence on individual, society and health care system. Calculating the economic loss due to direct and indirect ways helps us to understand the loses which are tolerated by world economy.

Key words: diabetes, economy

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САХАРНЫЙ ДИАБЕТ И ЕГО ВЛИЯНИЕ НА ЭКОНОМИКУ СТРАНЫ

Аннотация: сахарный диабет - это хроническое заболевание, поражающее миллионы людей и имеющее далеко идущие последствия для личности, общества и системы здравоохранения. Расчет экономических потерь,

вызванных прямыми и косвенными причинами, помогает нам понять, какие потери несет мировая экономика.

Ключевые слова: сахарный диабет, экономика

The purpose of study - to analyze the economy losses due to diabetes in many countries and comp how much a person is economically effected by diabetes whether be direct cost or indirect.

Methods and materials of the study. The study was conducted on the bases of data from Natational library of Medicine and National Institute of Health. Methods of economic, statistical and comparative analysis were applied.

Results of the study. Diabetes has been a global health issue for the past two decades and the situation has only deteriorated with the latest reports from international organizations calling for a global emergency [2]. There was 200 million patients having diabetes in 1990 which has increased to 830 million in 2022. It accounts 10,5% of total population in the world [1]. This disease is not only an everyday health challenge, but a financial one as well. The estimated global cost for diabetes is \$825 billion international dollars annually. This represents roughly 12% of the healthcare expenditure across the world [2]. An estimated 966 billion U.S dollars was spent on diabetes related health care in 2021. In 2019 the world expenditure on diabetes was 760 billion USD of which USA spends 294 billion USD , China 109 billion USD, Brazil 52,3 billion USD. In 2022 for USA it increased to 412,9 billion USD.

In India there are approximately 74,2 million people suffering from diabetes as reported by the International Diabetes Federation in 2022 [1].

On average an American person with diabetes spends about 12022 USD on health due to diabetes annually. People with diabetes have expenditure 2,6 times than without diabetes. Glucose lowering medications and diabetes supplies account for 17% of total direct medical costs attribute to diabetes [3].

Conclusions. Research of the diabetes and its impact on economy demonstrate that that there is increasing in diabetes patients with time with very fast rate and

countries are losing millions. The expenditure on diabetes by countries and individuals is increasing. It can be reduced if government started public awareness about diabetes which food causes it like chocolate, ice cream and too much oily food especially in rural areas.

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