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What Is Diabetes

Diabetes is when someone has high blood sugar levels that result from insulin secretion or insulin action or each. High levels of blood glucose (hyperglycemia) lead to the excess of glucose within the urine and that's why the diabetes is commonly related to "sweet urine." Generally a hormone known as insulin -produced by the pancreas- controls blood glucose levels. When the blood glucose increases insulin is released from the pancreas to maintain balance inside the body. However patients who are diagnosed with diabetes cannot create insulin successfully and that causes hyperglycemia. Diabetes could be controlled by it lasts for a lifetime.

The impact of diabetes can lead to blindness, kidney failure, and nerve damage. These damages are caused by little vessels known as microvascular illness. Diabetes also plays an essential function within the hardening or narrowing from the arteries which leads to strokes, and coronary heart illness. Diabetes affects more than 17 million people within the U.S. Diabetes is primarily caused by the insufficient production of insulin or the inability of cells to use insulin. The latter condition affects mostly the cells of muscle and fat tissues, and that results to insulin resistance. The lack of insulin is really a main problem because people aren't in a position to balance the amount of glucose that's within their body. There are two types of diabetes type 1 and type. The main problem of type two diabetes is the damaged muscle and fat tissues and the main problem of type 1 diabetes is exactly where the insulin producing beta cell is affected. Insulin is really a huge deal because with out insulin, the cells turn out to be starved of glucose and the energy cannot get towards the cells even though there might be a large supply of glucose. The abundant and unused supply of glucose is excreted within the urine.

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