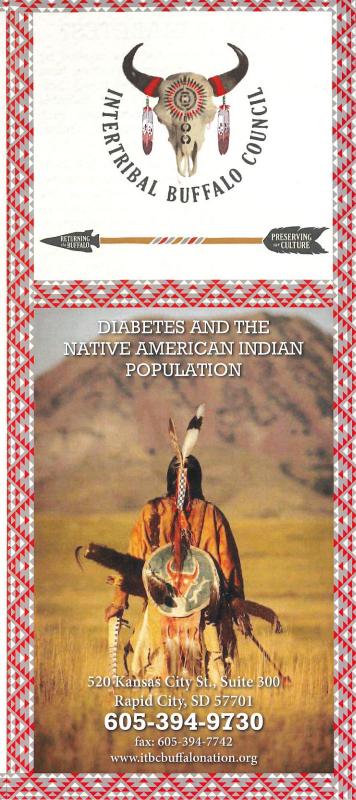
69 TRIBES IN 19 STATES PROUDLY SERVING THE BUFFALO NATION

Alutiiq Tribe of Old Harbor Blackfeet Nation Cherokee Nation Cheyenne Arapaho Tribe of Oklahoma Chevenne River Sioux Tribe Chippewa Cree Tribe of Rocky Boy Confederated Salish & Kootenai Tribes Confederated Tribes of Umatilla Crow Tribe Crow Creek Sioux Tribe Eastern Shoshone Tribe Flandreau Santee Sioux Tribe Forest County Potawatomi Community Fort Belknap Indian Community Fort Peck Assiniboine & Sioux Tribe Ho-Chunk Nation Iowa Tribe of Oklahoma Jicarilla Apache Nation Kalispel Tribe of Indians Leech Lake Band of Ojibwe Lower Brule Sioux Tribe Mesa Grande Band of Mission Indians Modoc Nation Nambe O-ween-ge Pueblo Northern Arapaho Tribe Northern Cheyenne Tribe Oglala Sioux Tribe Omaha Tribe of NE Oneida Nation Osage Nation Picuris Pueblo

Pit River Tribe

Ponca Tribe of NE Prairie Band Potawatomi Nation Prairie Island Indian Community Pueblo de Cochiti Pueblo of Pojoaque Pueblo of Sandia Pueblo of Tesuque Quapaw Tribe of Oklahoma Red Lake Nation Rosebud Sioux Tribe Round Valley Indian Tribes Ruby Tribe Sac & Fox Tribe of Mississippi in Iowa Sac & Fox Nation of Missouri Salt River Pima - Maricopa Indian Community San Juan Pueblo Santee Sioux Tribe of NE Seminole Nation of OK Seneca-Cayuga Tribe of OK Shakopee Mdewakanton Sioux Community Shoshone-Bannock Tribes Sisseton Wahpeton Oyate Skull Valley Band of Goshute Indians Southern Ute Tribe Spirit Lake Tribe, ND Standing Rock Sioux Tribe Stevens Village Stillaguamish Tribe of Indian of WA Taos Pueblo Three Afflilated Tribes (MHA Nation) Tonkawa Tribe of OK Turtle Mountin Band of Chippewa Indians Ute Indian Tribe White Earth Band Winnebago Tribe of NE Yakama Nation Yankton Sioux Tribe



WHAT IS DIABETES?

Diabetes is a group of diseases marked by high levels of blood glucose resulting from problems in how insulin is produced, how insulin works, or both. People with diabetes may develop serious complications such as heart disease, stroke, kidney failure, blindness, and premature death.

Type 1 diabetes develops when the cells that produce the hormone insulin, known as the beta cells, in the pancreas are destroyed. This destruction is initiated or medicated by the body's immune system and limits or completely eliminates the production and secretion of insulin, the hormone that is required to lower blood glucose levels. To survive, people with type 1 diabetes must have insulin delivered by injection or a pump. In adults, type 1 diabetes accounts for approximately 5% of all diagnosed cases of diabetes. There is no known way to prevent Type 1 diabetes.

Type 2 diabetes usually begins with insulin resistance, a disorder in which the cells primarily within the muscles, liver, and fat tissue do not use insulin properly. As the need for insulin rises, the beta cells in the pancreas gradually lose the ability to produce sufficient quantities of the hormone. The role of insulin resistance, as opposed to beta cell dysfunction, differs among individuals, with some having primarily insulin resistance and only a minor defect in insulin secretion, and others with slight insulin resistance and primarily a lack of insulin secretion.

Among American Indian and Alaska Native adults, the age-adjusted rate of diagnosed diabetes varied by region from 6.0% among Alaska Natives to 24.1% among Native Americans in southern Arizona.



CO-EXISTING CONDITIONS & COMPLICATIONS

AMONG PEOPLE WITH DIAGNOSED DIABETES

Diabetes can affect many parts of the body and is associated with serious complications, such as heart disease, stroke, blindness, kidney failure, and lower-limb amputation. Some complications, especially microvascular (e.g., eye, kidney, and nerve) disease, can be reduced with good glucose control. Also, early detection and treatment of complications can prevent progression, so monitoring with dilated eve exams, urine tests, and foot exams is essential. Because the risk of cardiovascular diseases is increased with diabetes and prediabetes, blood pressure and lipid management, along with smoking cessation, especially important. By working together, people with diagnosed diabetes, their support network, and their health care providers can reduce the occurrence of these and other complications.

DIABETES IN AMERICAN INDIANS AND ALASKA NATIVES

2.3 times Likelihood of American Indian and Alaska higher Native adults to have diagnosed diabetes compared with non – Hispanic whites (16.1% vs. 7.1%; 2009).

Source: National Diabetes Fact Sheet, 2011

9 times Likelihood of American Indian and Alaska higher Native youth ages 10 – 19 to have diagnosed type 2 diabetes compared to non – Hispanic white (1.74 per 1000 vs. 0.19 per 1000; 2001) Source: SEARCH for Diabetes in Youth Study

110% Percent increase in diagnosed diabetes from 1990 to 2009 in American Indian and Alaska Native youth aged 15 - 19 years (3.24 vs. 6.81per 1000) Source: L.H.S. Division of Diabetes Statistics (unpublished analysis)

1.6 times Death rate due to diabetes for American higher Indians and Alaska Natives compared with the general U.S. population (34.5 vs. 21.8 per 100,000; 2008) Source: Health, United States, 2011: With Special Feature on Socioeconomic Status and Health

BISON MEAT

Buffalo meat is low in fat and cholesterol and is compatible to the genetics of Native American Indian people. Buffalo meat was the main diet of the Plains Indian who never had cancer, heart disease or heart attacks, and lived to be 85-90.

Buffalo meat is a good source of conjugated linoleic acid (or CLA), an important cancerfighting fat. It is rich in vitamin betacarotene, a vital antioxidant that reduces cancer by preventing cell degeneration. It is also rich in a balanced combination of essential omega-3 fatty acids.

A serving of buffalo meat has as much calcium as a 6oz glass of milk; as much potassium as a medium banana; and contains vitamins E, B6, and B12.

Studies indicate that including buffalo meat in your diet can reduce the risk of diabetes and other diet related diseases. Combined with the cultural and spiritual benefits of this delicious meat, buffalo is a healthy and life-giving food source for Native American people.



BENEFITS OF BUFFALO MEAT

Nutritional Comparison

Per 100-gram Serving, Cooked Meat

Meat Pr	otein(g)	Fat(g)	Calories	Iron(mg
Buffalo	28.5	2.5	143	3.42
Beef	29.5	10	219	2.99
Pork	29.5	9.5	212	1.1
Chicken	29	7.5	190	1.29
Salmon	27	11	216	.55

Sources: National Bison Associations, USDA

Figure .1 Benefits of Buffalo Meat-Nutritional Comparison

>> The diagram above shows the nutritional benefits of eating buffalo meat. Buffalo meat has fewer calories, less saturated fat, and has more iron.