

# ENHANCING PEDIATRIC DIABETES MANAGEMENT IN FREMONT COUNTY THROUGH A MULTIDISCIPLINARY CARE TEAM-BASED MODEL

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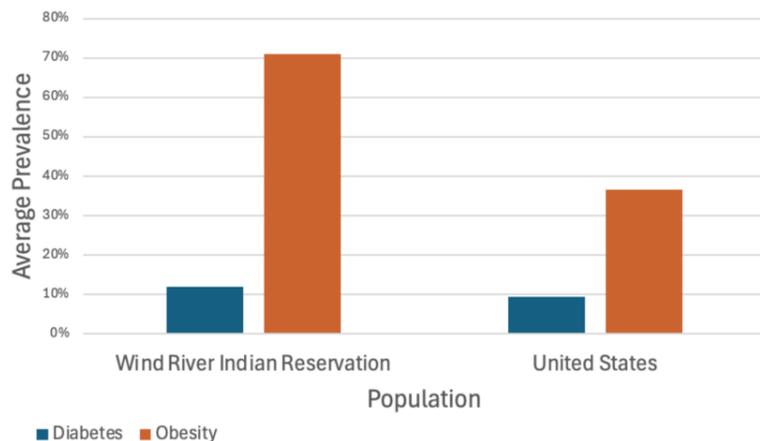
## HYPOTHESIS

Educational materials informing families in Fremont County, Wyoming, about the new multidisciplinary diabetes care team will improve glycemic control in pediatric patients with diabetes

## BACKGROUND

- Fremont County includes Lander, and the Wind River Reservation, which includes towns such as Arapahoe, Ethete, Hudson, and Riverton
- The Lander community demonstrated higher education levels, more stable access to health care, and employment compared to other areas of Fremont County
- The Wind River Reservation, in comparison, experiences higher poverty, unstable housing, food insecurity, limited access to clean water, elevated rates of diabetes, obesity, substance use disorders, and suicide, with a shorter life expectancy than state and national averages

Diabetes and Obesity Prevalence: Wind River Reservation vs. U.S. Averages in 2024

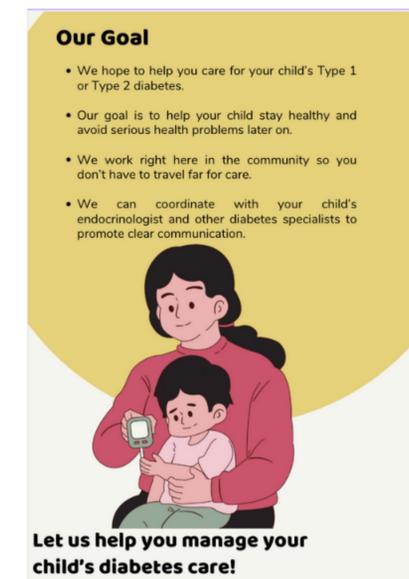
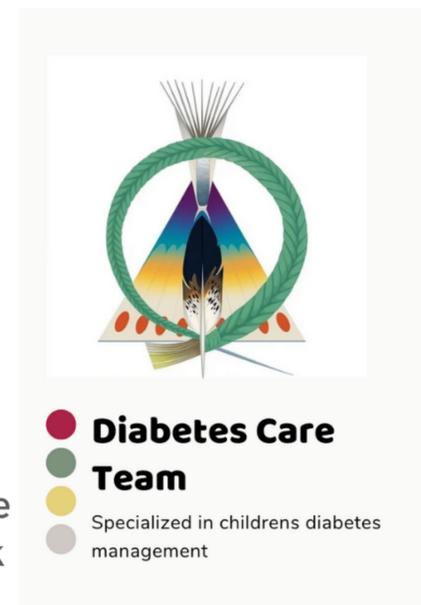


## LITERATURE REVIEW FINDINGS

- Long-term diabetes affects adolescents' quality of life, community health, risk for other diseases, and strains the health system
- Indigenous people have higher rates of early-onset type 2 diabetes. Multi-strategy holistic community interventions promote diabetes prevention.
- Prevention of type 2 diabetes using education on a community level is effective and may improve pediatric outcomes
- Reducing barriers to care, such as providing local diabetes care, may improve the management of pediatric diabetes in Fremont County

## DELIVERABLE TO THE COMMUNITY

- The new multidisciplinary Diabetes Care Team consists of pediatric and diabetes specialists, and offers local families an alternative to traveling hundreds of miles for care
- The goal of this handout is to educate families about local care options and provide general diabetes information to encourage those without regular care to seek services



Pages from our patient handout

## NEXT STEPS

- Educational materials were delivered to local clinics for pediatric patients with diabetes or who are at risk. The goal is to encourage consistent local care, thereby reducing the need for out-of-state travel.
- The clinic is implementing a registry within its electronic health record system to support standard care and track glycemic control in pediatric patients

## ACKNOWLEDGMENTS

This project acknowledges that the data was collected on land that is historically and currently inhabited by the Northern Arapaho and Eastern Shoshone peoples

Thank you to Wind River Cares and the Diabetes Care Team for supporting me through this project

