



# Pediatric Type 1 Diabetes Technology Use: Hispanic Caregiver's Perspective

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## Introduction

Studies have shown that Hispanics have low use of insulin pumps and CGM when compared with white subjects.

Racial disparities in technology use and diabetes outcomes persist regardless of insurance status

## Objective

Our aim was to obtain a better understanding of barriers that keep people from using advanced technology and prevent health disparities.

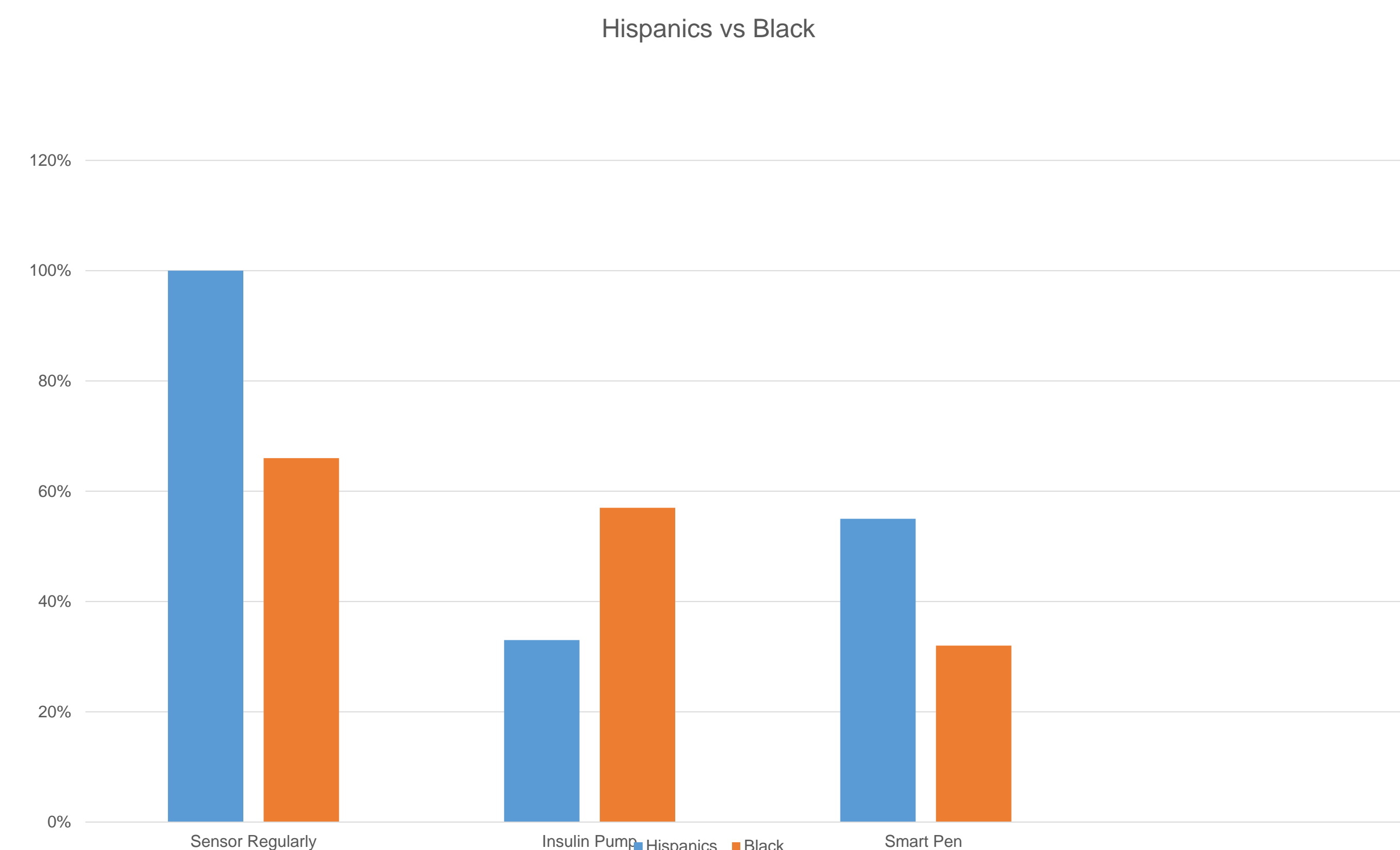
## Methods

We completed semi-structured interviews and 2 focus group with a sample group of Hispanic parents of T1D patients.

Four topic areas were the focus of the interview: sensor usage, pump vs smart pen vs MDI, training via video conference vs in-person visits, and suggestions to improve care. The interviews were transcribed, annotated, and analyzed for common themes. We compared the results to study we did with Black parents.

## Results

We gathered data from 9 Hispanic parents of T1D patients. 66% preferred a focus group, 22% individual interview and 11% interview via email. All preferred interviews in Spanish. 100% of the patients were using a sensor regularly. 33% were using an insulin pump, 55% reported using a smart pen. 1 parent reported used neither.



Key barriers to technology use reported included: Fear of doing something wrong at the beginning, difficulty with initial telemedicine training during COVID, insurance problems including language barrier and refills.

## Conclusions

The focus group is a patient centered initiative to help to understand barriers and discuss ways to increase technology usage. It is also useful to share other patient recommendations for treatment.

Overall, when compared to our Black focus group we received similar results.

They are satisfied with technology and felt it increased their understanding of diabetes.

Insurance plays a limiting role. More studies are needed to increase understanding of our Hispanic population and increase overall device use to be closer to White population.



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