

## Background

In children with T1D, use of Hybrid Closed Loop Systems are associated with

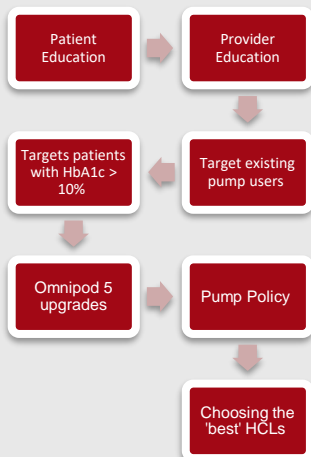
- Increased time in range
- Reductions in HbA1c
- Decreased rates of hypoglycemia

Only 14% of the pump population at WCM Pediatric Endocrinology use HCLs

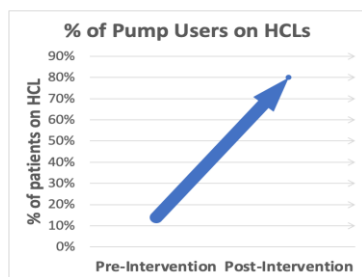
## Smart Aim

Within 12 months, **50%** of all pump users will be on HCLs

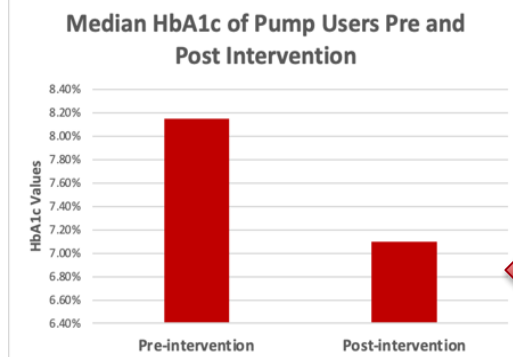
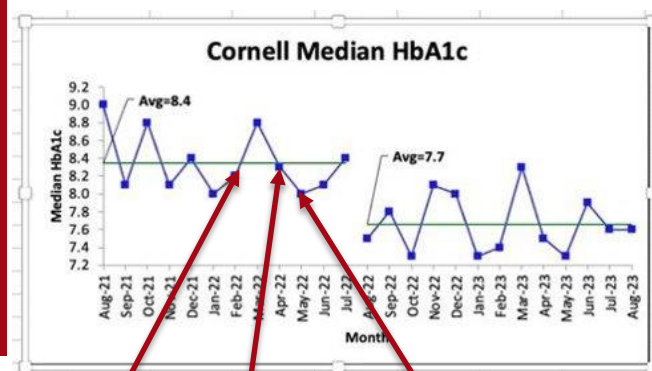
## Methods/PDSA cycles



## Results



Increase in HCLs achieved with 80% pump users on HCLs

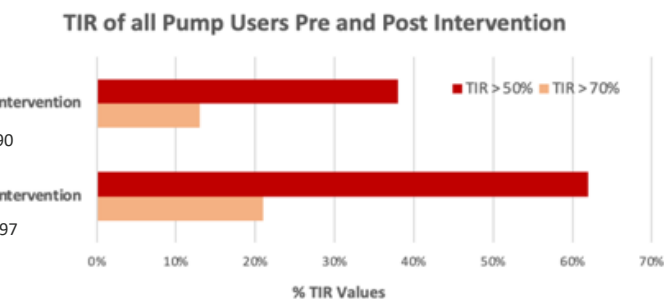


Intervention started

Tandem and Medtronic pump upgrades

Omnipod 5 upgrades

Decrease in median HbA1c of all Pump Users from 8.15% to 7.1%



Increase in TIR > 50% from 38% to 62%  
Increase in TIR > 70% from 13% to 21%

## Conclusions

- "Technology Night" monthly pump information class key to streamline pump process
- The use of HCLs increased access for telehealth visits and resulted in more patient centered appointments
- Need to incorporate provider-patient shared decision making to help patients make the best pump choice
- **Equal** insurance access across all payer systems allowed for an ENTIRE practice change

## Next Steps

- Individualize pump selection process
- Additional providers to become pump trainers