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AIM				Methods									
Despite documente We propose a pilo in a pre-defined at Background	tion inequalities continue. sed-loop system utilization n.	DSP expanded with the addition of 3 providers and 3 CDEs. Patients within the DSP population interested in pump technology with insurance that approves closed-loop systems were approached for enrollment. Inclusion criteria was initially limited to patients of providers in the program. Criteria for involvement included: age under 18 years old, diagnosis of diabetes for more than 1 year, at least 2 clinic visits within the last 12 months, stable caregiver trained in diabetes care, no surrent DECS											
The Diabetes Support complications in particular events within 12 ma (diagnoses event ex DSP includes a psy- worker. Technolog	 2 clinic visits within the last 12 months, stable caregiver trained in diabetes care, no current DFCS involvement, familiarity with continuous glucose monitoring, and familiarity with carbohydrate counting. To improve compliance, the team simplified pump initiation, standardized direct access to the team, and proposed an untethered start. Protocol 												
2022	Non-DSP	DSP NL 276	Table 1: 2022 CHOA	Individual patient time	eline:								
Average HbA1c (%)	8.5%	10.7%	T1D patient population		Baseline	Month 1	+ 3 days	+ 14 days (Virtual)	Month 2	+ 14 days (Virtual)	Month 6	Month 9	Month 12
Medicaid	47%	75%	*Of our DSD nationts with a	Subject interest	x		(virtual)	(virtual)		(virtual)			12
% White	51%	34%	pump, 2/3 were covered by medicaid	Introduction to pump technology	x								
% pump use	42%	24%*		Pump selection (options must provide	×								
Policies & Procedures Multiple steps for pump prep Inconsistency in rep training (safety concerns) Safety starts available but not required Limited access for training		Devices Insurance coverage issues (OP5 & Med Patient desire/willingness to use speci Limited staff training on device	erage issues (OP5 & Medicaid) /willingness to use specific device raining on device Low numbers of high risk/at risk		ous glucose r	X nonitor (CGM)	X is NOT connected	x to pump. There is r	X No augmentatio	x n of insulin ou	x tside of what t	x the patient is i	x nputting into
Environment Process Limited location/access No follow up for pump class in Complicated steps to get pur No walk in options No flag in EMR for high-risk get provide additional support No evening/weekend Limited telemed options		o shows p ntients to Providers – fear of ne follow up concerns, b Support staff – limite to assess needs	type 1 diabetes patients moving to AID pumps AID pumps oncompliance, bias ed time with patient	² Hybrid closed loop pump: CGI Conclusion This quality initiation to close pump therapy the ongoing.	M communication iative p sed-loo rough	ates with insuli	n pump and augn s to show n deliver ortive, tai	ents basal and bolu v high-risk y and imp lored prog	is insulin based patient rove the gram. En	on CGM inform	nation. tions care etes care nt in th	an safel ⁱ e using is proje	y insulin ct is

IMProving Access to Closed-loop Technology (IMPACT)



