

NOVEL MEDTRONIC TURNING POINT PROGRAM IMPROVES COMPLIANCE AND HBA1C IN AT-RISK PATIENTS WITH TYPE 1 OR TYPE 2 DIABETES

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Introduction

The Medtronic Turning Point (MTP) program is intended to help patients with uncontrolled diabetes by facilitating **patient engagement, remote monitoring and data-driven interventions**. The pilot program, in partnership with Methodist Health Ministries (San Antonio, TX), utilized **personalized coaching, technology and advanced analytics** to engage patients, coordinate care, stratify risk and target resources while following the patient's diabetes care plan and extending the physician's reach outside the clinical setting.

Program Characteristics

Goal Setting + Outcome Tracking:

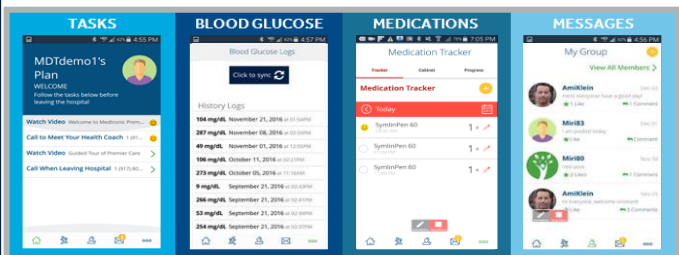
Clinical outcome: HbA1C

Patient Support:

- Patient self-management education
- MTP patient mobile application
- BG meter synced to patients' phones
- Reminders & monitoring w/intervention:
 - Blood sugar monitoring
 - Medications + Appointments

HCP Decision Support:

- "Patient Status Report" for PCP
- Clinical decision support algorithms (MDT proprietary)
- CGM (iPro 2®, Medtronic), as needed
- iPro Pattern Snapshot® with simplified insights for PCP



Methods & Pilot Design

Pilot Program Details	Partnership with Methodist Health Ministries
	6 month duration
Inclusion Criteria	50 patients enrolled in pilot
	Uncontrolled type 1 or 2 diabetes (HbA1C ≥ 8.5%)
	Age ≥ 18
Exclusion Criteria	Willing to partake in self-care
	Included terminal illness, cancer, dialysis, organ transplant, psychiatric disorders, drug addiction
Endpoints	HbA1C (Primary)
	Blood sugar monitoring (SMBG)
	Task + educational adherence

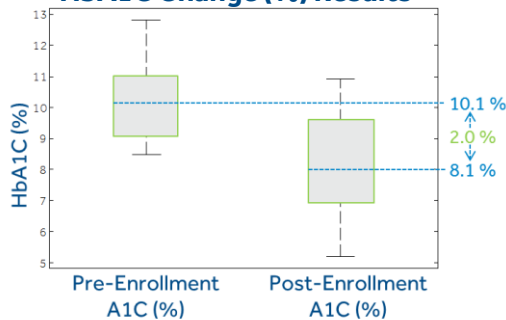


Methods & Pilot Design (contd.)

Risk Stratify	Enroll, App + BG sync	iPro (where applicable)	Follow-up HbA1C
Baseline HbA1C	Expectations Setting	Patient Status Report for PCP	
<i>Several Coaching & Education Touch Points & Ongoing Engagement between Health Coach & Patient</i> <i>Consistent communication between Health Coach & PCP office throughout the program duration</i>			
Pilot Cohort Characteristics (n=35 completed)	Age	51±9 years old	
	Gender	29%/71% (M/F)	
	Diabetes Type	97% Type 2	
	Insulin Users	75%	
	Race / Ethnicity	100% Hispanic	

Results In Completed Group

HbA1C Change (%) Results



N=35	Mean ± SD	Median [25 th - 75 th]
Baseline HbA1C	10.1±1.1%	9.9% [9.2 - 10.9]
Follow-up HbA1C [taken at 5.1±1.8 mo]	8.1±1.5%	7.7% [7.2 - 9.5]
HbA1C Change	-2.0±1.9%	-1.8% [-3.4-0.9]

83% saw improvement in HbA1C (p<0.001)

Patient Engagement & Adherence Statistics	70%	Program retention
	3.4±2.3	Mean weekly interactions/patient
	4	Mean HP-clinic communication per patient
	80%	Pts viewed educational material
	73%	BG compliance
	1.7±0.8	Mean BG Frequency per day

Conclusions

- The Medtronic Turning Point pilot program results show a **significant improvement in HbA1C**
- This comprehensive program uses:
 - Patient **comprehensive mobile app, connected devices & biometric sensors, health coach support & diabetes education** for the patient
 - Data, insights & decision support** for the PCPs
- Program expansion** to include other health metrics and greater population base