



Improving Diabetes Control with Implementation of Continuous Glucose Monitoring (CGM): A Family Nurse Practitioner Fellowship Quality Improvement Initiative

Maria Pizzirusso, DNP, MPH, FNP-BC, Brianna Bouchez, DNP, FNP-C, Keshia Okorie, MS, RDN, CDN, CLC, CDCESMS, Ashley Klimavicius, MA, G. Oscar Anderson, MSN, FNP-BC, Ciara Mottier, DNP, MPH, FNP-BC, Julia Thomae, MS, MSN, FNP-BC, Marie Toupou, DNP, FNP-BC, A. Tatyana Lovell, DNP, FNP-BC, Mika Long, MSN, FNP-BC, Julia Grytsayo MSN, RN, Jessie Kravet, MSN, RN, Nikole Lesmes-Rincon, MSN, RN, Kadia Smith, MSN, RN

Background

Problem

- Many patients with uncontrolled diabetes continue to experience suboptimal glycemic control despite advances in diabetes care.¹
- CGMs enable early detection of hyperglycemia and hypoglycemia, facilitate precise treatment adjustments, and empower patients to understand the impact of lifestyle behaviors on their glycemic control.²
- Studies have shown that CGM use is associated with improved glycemic outcomes, increased time in target range, and enhanced patient engagement.²

Setting

- Community Healthcare Network (CHN) is a federally qualified health center (FQHC) serving patients across 11 sites across New York City.
- CHN is home to the FNP Fellowship, which equips nurse practitioner graduates with the skills to independently manage complex patients.

Local Gap

- Approximately 31.6% of CHN patients have uncontrolled diabetes (Hgb A1c >8%).
- Only 23.9% of eligible patients use CGM.
- More than 50% of patients lacked scheduled follow-up with a primary care provider (PCP).

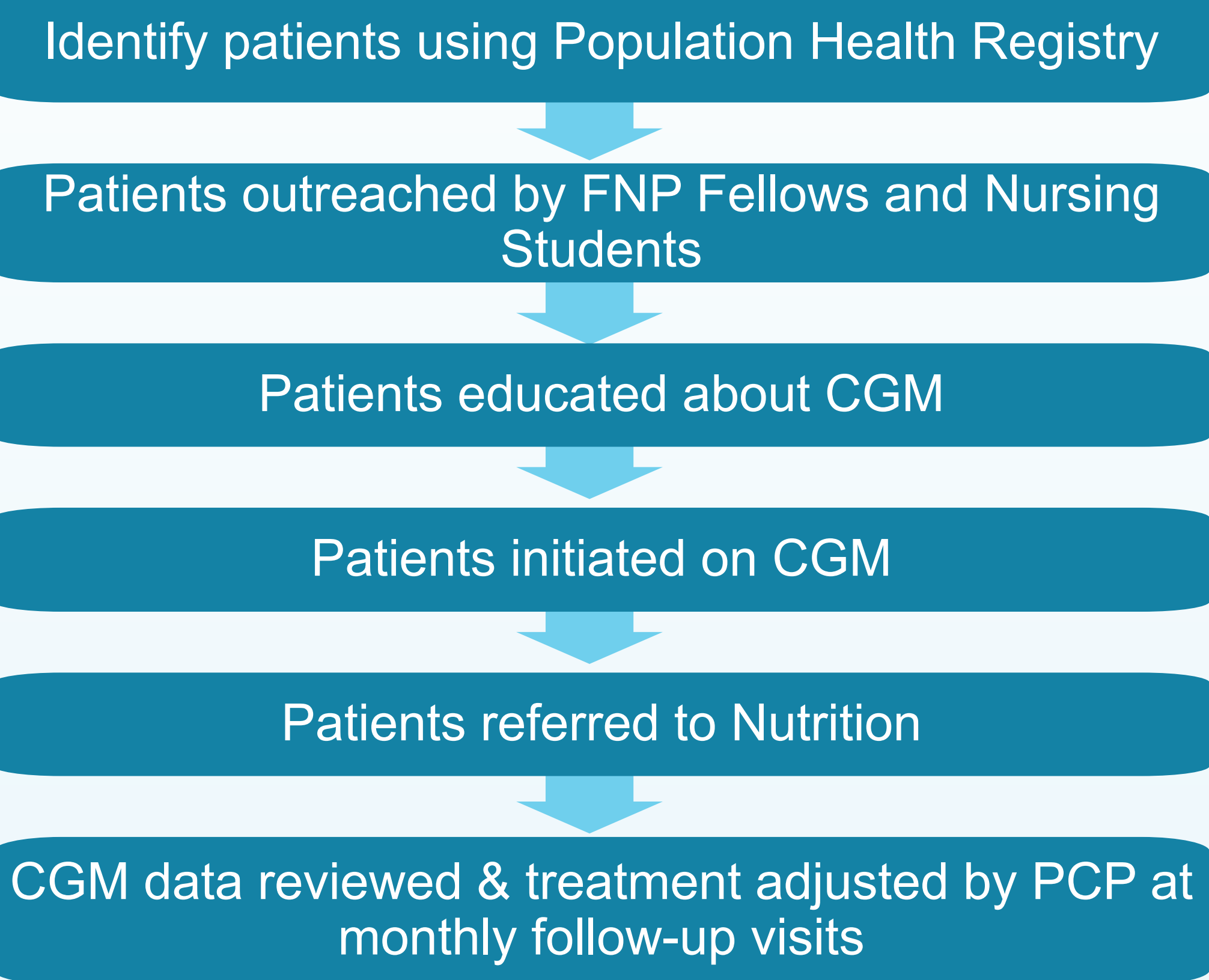
Project Aims

By September 2026, develop and implement a standardized CGM workflow to:

- Increase CGM adoption among eligible patients with uncontrolled diabetes.
- Improve provider confidence in CGM prescribing and interpretation.
- Identify barriers and facilitators to sustainable CGM implementation across CHN.

Intervention

Intervention Workflow



Key Components

- ✓ FNP-led patient outreach
- ✓ Standardized CGM prescribing workflow
- ✓ RN and clinician EHR templates
- ✓ Nutrition counseling integration
- ✓ Prior authorization support
- ✓ Monthly CGM follow-up visits
- ✓ Interprofessional staff training

Results

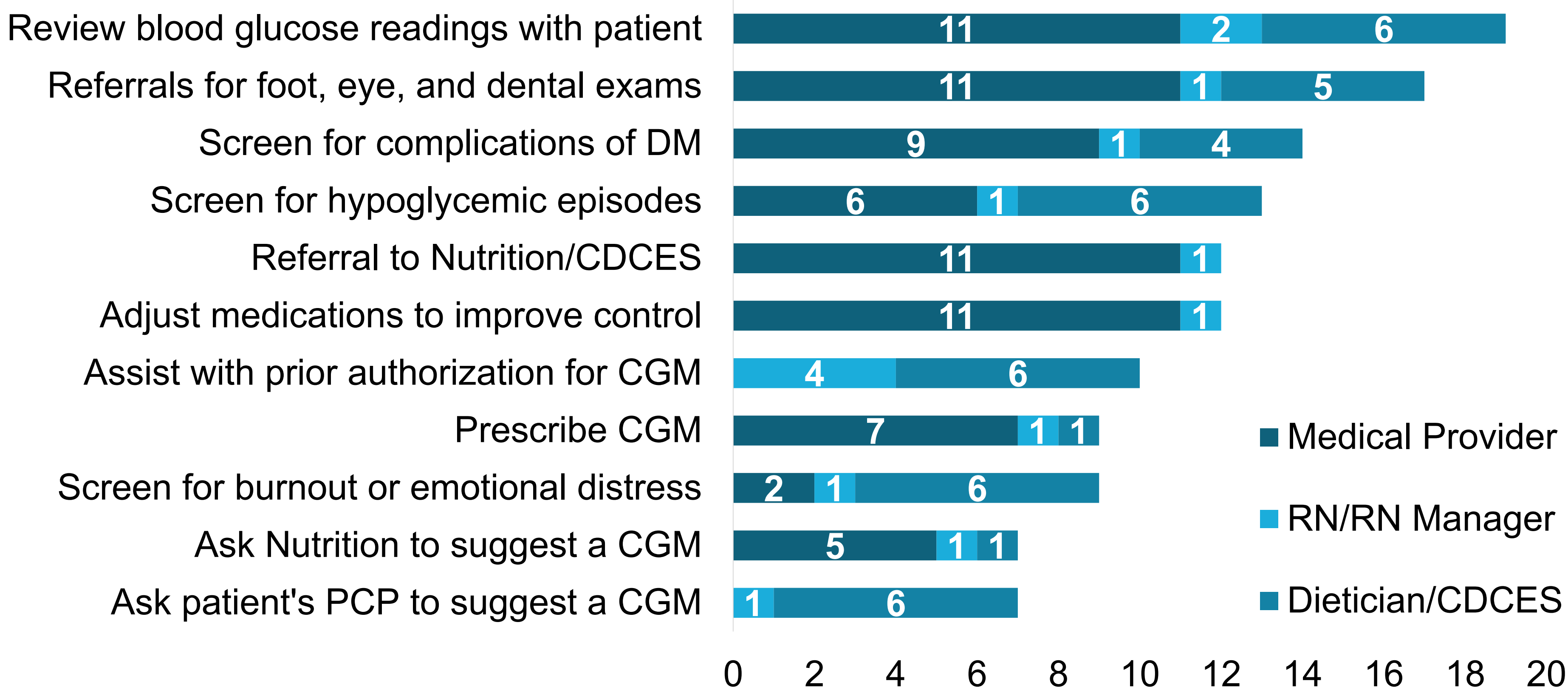
Reach & Enrollment

- Patients identified:** 126
- Patients contacted:** 95 (75%)
- Accepted enrollment:** 13 (10%)
- Actively enrolled in CGM:** 9 (7%)

Follow-Up Success

- Active CGM users:** 9
- Scheduled monthly follow-up:** 8 (89%)

Interprofessional Activities Supporting CGM Adoption



Discussion

Key Accomplishments

- 13 patients previously not offered CGM accepted intervention; **9 patients successfully enrolled**.
- Of the 9 patients enrolled in CGM, **8 scheduled for monthly visits with PCP**.
- FNP fellows led the implementation of this initiative, developing confidence and proficiency in integrating CGM into clinical practice.
- FNP fellows subsequently served as CGM champions**, providing education and training to pre-clinical NP students, nursing staff, and other allied health professionals at CHN.

Challenges to Implementation

- Difficulty contacting patients (e.g., unable to reach or leave voicemail).
- Scheduling challenges due to patient availability.
- Insurance coverage limitations and cost barriers for self-pay patients.
- High no-show rates across all visit/provider types.
- Technology-related challenges with CGM use.
- Limited provider participation in the survey assessing CGM comfort and use.

Next Steps

- Continue patient recruitment until all eligible patients have been contacted.
- Complete six-month follow-up for enrolled patients.
- Evaluate clinical outcomes, including Hgb A1c, CGM adherence, and time in range.
- Assess patient experiences and perspectives regarding CGM use.
- Formally evaluate FNP Fellow and NP student confidence in incorporating CGM into routine DM management.
- Secure grant funding to provide long-term CGM access for self-pay patients.

This intervention is ongoing. Final analysis will be conducted following completion of the six-month implementation period and will evaluate changes in hemoglobin A1c, CGM adherence, and other clinical outcomes among patients who initiated CGM use.

References

- American Diabetes Association Professional Practice Committee. Standards of care in diabetes—2026. *Diabetes Care*. 2026;49(suppl 1):S1-S306. doi:10.2337/dc26-SINT
- Hirsch IB, Garg SK, Repetto E, Snell-Bergeon J, Ulmer B, Perkins C, Bergenstal RM. Continuous glucose monitoring frequency and glycemic control in people with Type 2 Diabetes. *JAMA Netw Open*. 2025;8(10):e2539278. doi:10.1001/jamanetworkopen.2025.39278