

Lower A1c and Reduce Hospital/ED Use in Members with Insulin-Treated Type 2 Diabetes (T2D) via Real-Time Continuous Glucose Monitoring (rtCGM)

New clinical and economic evidence highlight the value of rtCGM in optimizing the management of T2D in diverse populations

KAISER REAL WORLD EVIDENCE¹





Initiating rtCGM reduced both A1c and hypoglycemia requiring healthcare resource utilization among members with insulin-treated T2D.

Retrospective Analysis of Administrative Claims

An analysis of 571 patients from the Optum Research Database demonstrated a reduction in T2D-related medical costs with rtCGM.³ Access the ADA abstract here.



MOBILE Randomized Controlled Trial⁴

STUDY DESIGN	RESULTS		QUALITY IMPACT
 175 T2D adults treated with basal insulin randomized 2:1 to rtCGM or BGM Conducted over 32 weeks at 15 primary care centers 	 A1c reduction in rtCGM g without a significant ind in insulin doses or non- medications Benefits of rtCGM were across diverse racial/et backgrounds comprisin of the study population 	group crease insulin consistent hnic g 52% More p achieve Hi rtCGM co	62% barticipants were able to EDIS measure A1c <8% using compared to optimized BGM
	rtCGM [†]	Optimized BGM [‡]	
Participants able to meet A1c <8%	63%	39%	1 10/
Time Spent in Target Range (70-180 mg/dL)	59% (3.6 hours more/day)	43%	A1c reduction
Time Spent in Hyperglycemia (>250 mg/dL)	11% (3.8 hours less/day)	27%	from baseline with rtCGM
Mean glucose levels	179 mg/dL	206 mg/dL	
 Participants in the rtCGM group were provided with a Dexcom G6 CGM System 1 to 3 fingersticks daily 	Statistically significant difference between both groups		

KEY TAKEAWAY

rtCGM, as compared with BGM, reduced A1c and improved glycemic control in adults with T2D treated with basal insulin in primary care.

Emerging practice guidelines from <u>AACE</u> and <u>ADA</u> likewise highlight the benefit of covering rtCGM for plan members with T2D treated with any insulin therapy.^{5,6}

CALL TO ACTION The time has come to broaden access to CGM for patients with type 2 diabetes.⁸ - Monica Peek, MD, MPH, Associate Director, Chicago Center for Diabetes Translational Research

*PMPM = Per Member Per Month

⁹American Diabetes Association (ADA) level A evidence = clear evidence from well-conducted, generalizable randomized controlled trials that are adequately powered.

1. Karter, AJ. JAMA (2021): https://doi.org/10.1001/jama.2021.6530. 2."NCQA. HEDIS Measures for Comprehensive Diabetes Care. https://www.ncqa.org/hedis/measures/comprehensive-diabetes-care/. 3. Norman, GJ. Diabetes (2021): https://doi.org/10.237/db21-66-LB. 4. Martens, T. JAMA (2021): https://doi.org/10.1001/jama.2021.7444. 5. Grunberger, G. Endocr Pract (2021): https://doi.org/10.1016/j.eprac.2021.04.008. 6. American Diabetes Association. Diabetes Care (2021): https://doi.org/10.237/db21-66-LB. 4. Martens, T. JAMA (2021): https://doi.org/10.2021): https://doi.org/10.237/db21-66-LB. 4. Martens, T. JAMA (2021): https://doi.org/10.2021): https://doi.org/10.2021): https://doi.org/10.2021.05.007. T. Healio. https://www.healio.com/news/endocrinology/20210607/realtime-cgm-lowers-A1c-reduces-ed-visits-in-insulintreated-diabetes. 8. Peek ME, Thomas CC. JAMA. 2021;256-2257. doi:10.1001/jama.2021.6208.