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Impact of Accessible Training for Providers on Continuous Glucose Monitoring Utilization

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Abstract

Continuous Glucose Monitor (CGM) use can improve blood glucose control, reduce the risk of hypoglycemia, and assist healthcare providers with medical management of diabetes mellitus. CGM therapy for patients with diabetes may not be fully utilized because of a provider's lack of knowledge or confidence in using the technology. The DNP project aimed to increase the utilization of continuous glucose monitors by providing accessible training with ongoing implementation support for providers through electronic learning. The goal was to increase CGM implementation and ultimately improve outcomes for a person with diabetes. The intervention included recorded modules, live interactive session, resources, handouts, and implementation support. The evaluation process for the outcomes included the use of surveys and a validated instrument. Listed below were the surveys and tool used for evaluating the outcomes.

1. *Baseline Participant Survey*
2. National League of Nursing (NLN), *Student Satisfaction and Self-Confidence in Learning*
3. *Participant Webinar Evaluation Satisfaction Survey*
4. *Post Implementation Support Evaluation Survey*

Results of the intervention had mixed results with no statistical significance shown. Clinical significance was evidence by with positive patient feedback, positive patient clinical indicators, and mostly positive satisfaction regarding modules and learning objectives from participants. Further study is needed to evaluate the impact of implementation support.

Keywords: online learning, e-learning, providers of health care, continuous glucose monitors, and diabetes mellitus