Use of the eGlycemic Management Solution by Glytec Produces Less Hypoglycemia for Patients Managed on Subcutaneous Insulin Therapy Melanie Mabrey, DNP, ACNP-BC, BC-ADM, FAANP; Joseph Aloi, MD; Paul Chidester, MD; Amy B. Henderson, RN, BSN; Raymie S. McFarland, PT; Robby Booth, BS; Andrew S. Rhinehart, MD

## OBJECTIVE

METHODS

## RESULTS

 2,240 non-ICU patients were treated with The American Diabetes Association guidelines

• DGM BG average was 172 mg/dL recommend a basal bolus correction insulin regimen as subcutaneous insulin therapy directed by the AGM BG average was 187 mg/dL provider.

the preferred method of treatment for non-critically ill hospitalized patients. The targets for pre-meal blood glucose (BG) of <140 mg/dL and random BG of <180 However, achieving these mg/dL are well defined. targets safely, without hypoglycemia, is challenging. In this study we evaluated BG control before and after Glucommander (GM) subcutaneous treatment for patients outside of the intensive care unit.

- Insulin therapy was then directed by Glucommander Subcutaneous (GM SubQ)
- 9 different hospitals in the Sentara Healthsystem
- Analysis: Before Glucommander (BGM) and During GM (DGM) for all patients. After GM (AGM) was included if GM was stopped prior to discharge.
- Target BG was 140-180 mg/dL for all groups.
- Safety was evaluated by average BG and BGs <70</li>

BGM BG average was 237 mg/dL

• Hypoglycemia events <70 mg/dL 2.1% BGM, 1.1% DGM and 3.3% AGM treatment. Patients averaged 5 glucose tests before Glucommander was initiated. Patients had an average of 18 glucose test after treatment with GM. Duration of therapy BGM was 1.2 Days, DGM 4.5 days, and AGM was 4.2 days.

## Patient Case 1. Before & After GM SubQ



Patients using GM SubQ achieved improved glycemic control with lower incidence of hypoglycemia (<70 mg/ dL) compared to both Before and After GM These results suggest that GM can management. safely maintain glucose control with less hypoglycemia than standard basal bolus treatment.





Revolutionizing Glycemic Management