

## HYPOGLYCEMIC EVENTS: CNS/CDE COLLABORATION TO IMPROVE PATIENT SAFETY AND NURSING PRACTICE

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**Objective:** Increase compliance and standardize nursing practice in the treatment of hypoglycemic events.

**Significance/Background:** Hypoglycemia can have life-threatening consequences, impair healing, alter mental status, as well as cause financial implications. Insulin is considered a high-alert medication and hypoglycemic events should be monitored and tracked. Evidence-based practices and clinical guidelines should be at the forefront of care for the treatment of inpatient hypoglycemic events. Patient safety is paramount and can be achieved by reducing the variation of practice in the care of hospitalized patients who experience hypoglycemia.

**Evaluation Methods:** Evaluation will be completed through historical research of hypoglycemic events <60 mg/dL, daily tracking of current hypoglycemic events, auditing of documentation, and comparison of rates of hypoglycemic events pre- intervention vs. post-intervention.

**Outcomes (Desired):** Achieve 90% compliance with nursing documentation elements (intervention, recheck, MD notification, and reason for MD notification), achieve 90% adherence of POC BG rechecks within 15 minutes of intervention, and decrease in hypoglycemic rates by 25% in 2018.

**Implications:** Improve patient safety, improve adherence to clinical guidelines, and reduce financial repercussions.

**Learning Objective:** To enable the learner to employ evidence-based practices for hypoglycemic events. Education will be provided through annual skills days, meetings, huddles, Healthstream self-paced learning course, as well as a nursing clinical alert (e-mail).

A3 (CONTINUOUS IMPROVEMENT) PROJECT TIMELINE	START DATE	END DATE
Collect 2017 data from EHR and RALS glucometer system	8-2017	1-2018
Understand current process/workflow for POC BG checks, charting etc. (Fishbone)	8-2017	9-2017
Review 2017 YTD data and look for trends	1-2018	1-2018
Include stakeholders (DART, IT Champions, and Diabetes Champions)	8-2017	Ongoing
Re-format 'Notify' tab to improve documentation	10-2017	1-2018
Update Hypoglycemia Policy and Procedure	9-2017	2-2018
Present to Nursing Leadership to garner approval of policy and procedure changes	1-2018	1-2018
Ensure CPOE order sets and instructions on eMAR align with policy and procedure updates	2-2018	Ongoing
Formalize process to collect and analyze data on hypoglycemic events hospital wide	3-2018	Ongoing