

Enhancing Patient Safety Through a Multidisciplinary Approach to Hypoglycemia Reduction

PROBLEM

Hypoglycemia is a **serious** and **often preventable** event for hospitalized patients

Effective management of blood glucose is essential for:



reducing hospital stays



reducing readmission rates



ensuring patient safety



improving clinical outcomes

GOAL

To achieve a **20% reduction in severe hypoglycemic events** (blood glucose < 50 mg/dL) following insulin administration

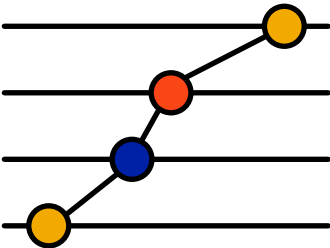


PDSA

A **multidisciplinary team** used the **Plan-Do-Study-Act** (PDSA) cycle for continuous improvement

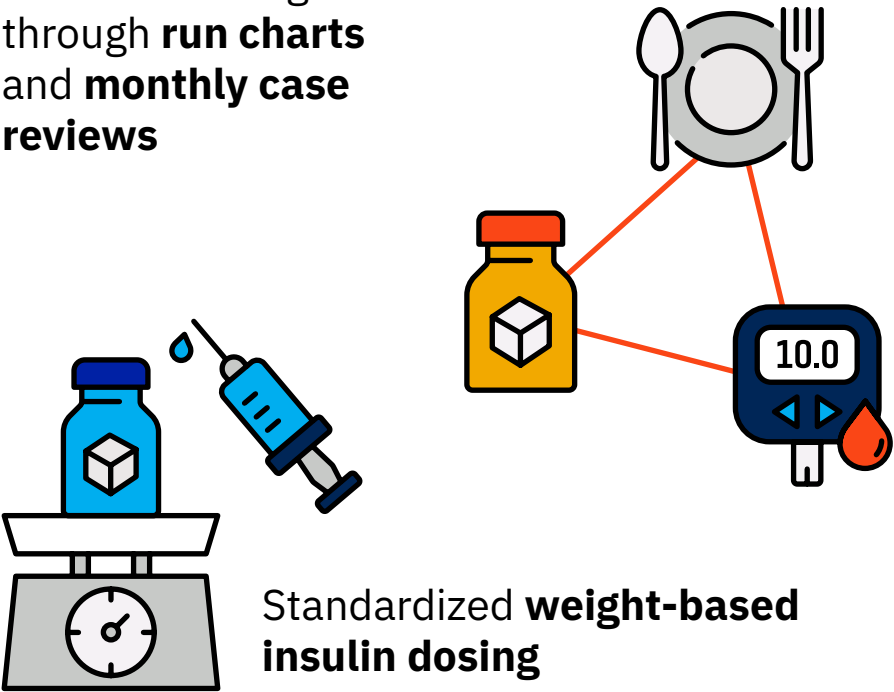


KEY INTERVENTIONS



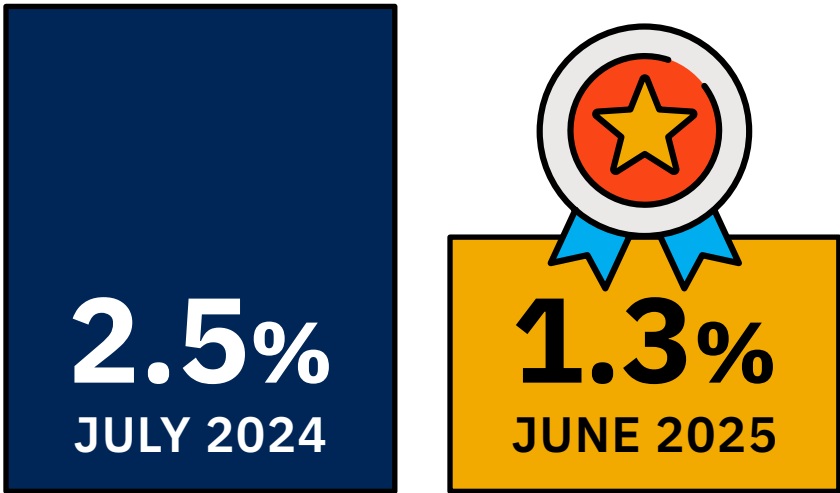
Data monitoring through **run charts** and **monthly case reviews**

A **“triad” approach** to synchronize food, glucose checks, and insulin



OUTCOMES

The **rate** of severe hypoglycemic events **reduced** from **2.5%** to **1.3%**



Standardized **weight-based insulin dosing** was a **particularly effective** intervention

TAKEAWAYS:

Implementing the triad approach and standardized dosing improved patient safety

