



## eGlycemic Management System®

Helping pharmacists improve insulin safety in the hospital.

Insulin is a high-alert medication, but the complex nature of insulin therapy and the persistence of outdated methodologies among providers makes ensuring safe insulin usage a challenge for pharmacists.

Glytec's **eGlycemic Management System (eGMS)** helps pharmacists solve many of the complex problems that stand in the way of safe insulin usage.

Glucommander™, Glytec's FDA-cleared insulin dosing decision support module, is the core of eGMS: with automated alerts that notify nurses about sudden changes in patient glycemic status and comprehensive glycemic management data reporting, eGMS can help hospitals **reduce medication errors<sup>1</sup>** and **achieve the standard of care in glycemic management<sup>2</sup>**.

We support intravenous, subcutaneous and outpatient insulin management as well as the transitions between these stages. Our eGMS has been implemented at **nearly 300 hospitals and has been repeatedly proven to help:**



Decrease incidence of hypoglycemia



Increase patient safety



Decrease insulin administration errors



Improve clinician workflows

### Results from real hospitals using Glytec's eGMS

**62.6%** REDUCTION  
preventable hypoglycemia-related  
adverse drug events<sup>1</sup>

**99.8%** REDUCTION  
frequency of severe hypoglycemia<sup>2</sup>

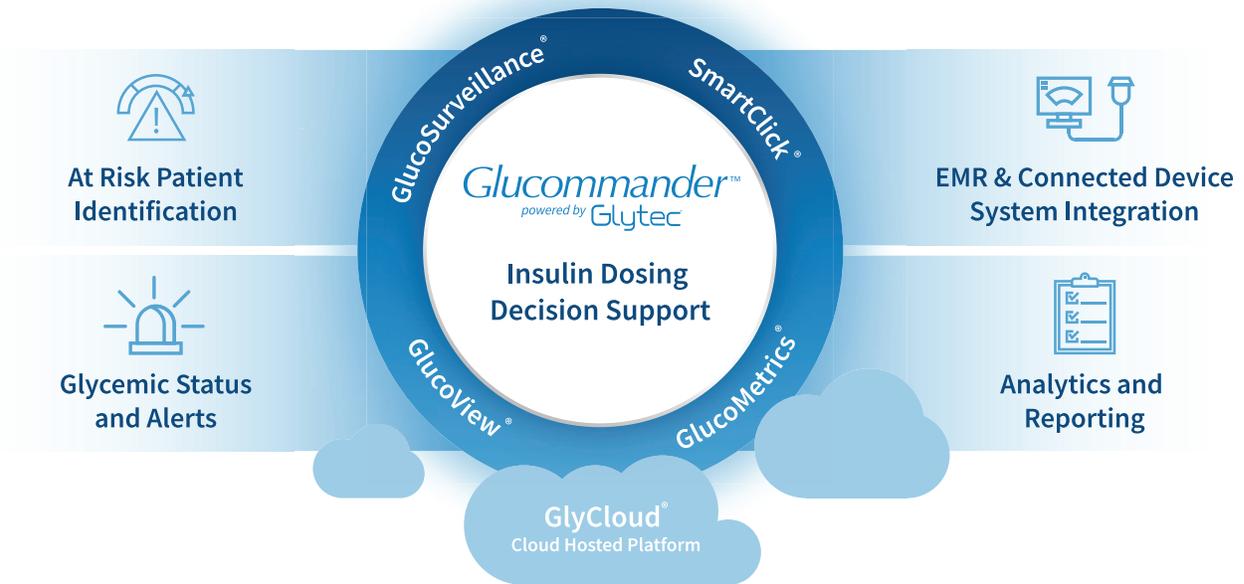
In addition, use of eGMS helped improve standard-of-care basal bolus insulin utilization at one hospital from **5% to 96%<sup>3</sup>**.

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# What does eGMS do?



Glytec's comprehensive eGlycemic Management System supports improved insulin dosing and administration throughout the hospital. **Here's how it works:**



**Glucommander:** Our algorithm-driven insulin dosing decision support software sits at the core of eGMS. Glucommander is FDA-cleared and approved for use in IV, SubQ and outpatient settings for both adult and pediatric patients.



**GlucoView:** Providers can use eGMS to view a dashboard of glycemic status indicators for all patients in a unit, helping nurses track last BG test results and current infusion rates and see precisely when the next check is due.



**GlucoSurveillance:** eGMS interfaces with laboratory information systems to continuously analyze patient blood glucose values and alert staff about at-risk patients.



**SmartClick:** eGMS integrates directly with the EMR to support one-click access, reduce redundant data entry, reduce transcription errors and improve workflow efficiency for providers.



**GlucoMetrics:** eGMS provides insights into organizational glycemic management performance by tracking KPIs like incidence of hyperglycemia and hypoglycemia, time to target, patient utilization and more.



**GlyCloud:** eGMS is hosted in the cloud, which means it can be installed, configured and updated remotely. Your data is secured at a HIPAA-compliant data center.

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## How Glytec's eGMS improves insulin safety



Our **FDA-cleared algorithm** delivers more personalized and accurate dosing recommendations compared to paper protocols.



eGMS uses reminders to **increase timeliness** of BG checks by providers and improve care.



**EMR integration** reduces risk of transcription errors, stacked doses, and other mistakes.



Specific patient, unit-wide and organizational glycemic management data **improve accountability** and helps hospitals work toward better results.



The GlucoSurveillance module of eGMS **identifies patients at risk** due to persistent hyperglycemia and notifies staff.



The **Glucose Velocity Warning** alerts nurses about sudden drops in patient blood sugar.

## Let us answer your questions.

Contact Glytec to schedule a demo or discuss next steps.

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Get in Touch

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### References

1. Dudley D, Gaines M. Use of Technology Reduces Incidence of Hypoglycemia-Related Adverse Drug Events Among Patients Requiring Insulin Therapy While Hospitalized. DTS Virtual Poster Meeting. June 18, 2020. <https://glytecsystems.com/evidence/use-of-technology-reduces-incidence-of-hypoglycemia-related-adverse-drug-events-among-patients-requiring-insulin-therapy-while-hospitalized/>
2. Risk of Hypoglycemia During Insulin Infusion Directed by Paper Protocol Versus Electronic Glycemic Management System in Critically Ill Patients at a Large Academic Medical Center. Journal of Diabetes Science and Technology, Jan 2018. <https://glytecsystems.com/evidence/risk-of-hypoglycemia-during-insulin-infusion-directed-by-paper-protocol-versus-electronic-glycemic-management-system-in-critically-ill-patients-at-a-large-academic-medical-center/>
3. Newsom R, Patty C, Camarena E, Gray T, Sawyer R, Brown B, McFarland R. Safely Converting From Sliding Scale to Basal Bolus Insulin Across an Entire Medical Center via Implementation of the eGlycemic Management System. American Diabetes Association Scientific Sessions. June 2017. <https://glytecsystems.com/evidence/safely-converting-from-sliding-scale-to-basal-bolus-insulin-across-an-entire-medical-center-via-implementation-of-the-eglycemic-management-system/>

The eGlycemic Management System® is a modularized solution for glycemic management across the care continuum that includes Glucommander™. Glucommander™ is a prescription-only software medical device for glycemic management intended to evaluate current as well as cumulative patient blood glucose values coupled with patient information including age, weight and height, and, based on the aggregate of these measurement parameters, whether one or many, recommend an IV dosage of insulin, glucose or saline or a subcutaneous basal and bolus insulin dosing recommendation to adjust and maintain the blood glucose level towards a configurable physician-determined target range. Glucommander™ is indicated for use in adult and pediatric (ages 2-17 years) patients. The measurements and calculations generated are intended to be used by qualified and trained medical personnel in evaluating patient conditions in conjunction with clinical history, symptoms, and other diagnostic measurements, as well as the medical professional's clinical judgement. No medical decision should be based solely on the recommended guidance provided by this software program.

Glucommander™ is only available for use in the United States.

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