

Glytec®

eGlycemic Management System®

Guided Workflows for Nurses that
Help Improve Patient Safety¹



A Nurse's Introduction to Glytec's eGMS

Glycemic management can be a major source of stress for nurses. Manually calculating insulin doses, calling physicians to verify or adjust titration, copying information from paper protocols into the EMR — they all take time away from the patient.

The risks to patient safety are also high when using a high-alert medication like insulin: transcription errors, stacked doses, incorrect doses or not accounting for other medications' impact² can cause major complications like hypoglycemia or prolonged hyperglycemia.

Glytec's eGlycemic Management System (eGMS) replaces paper protocols, simple computerized calculators or protocols and sliding-scale insulin with standard-of-care methodologies for IV and SubQ insulin titration. Deep EMR integrations leverage patient data thus freeing nurses from double documentation or manually calculating insulin doses.

Glucommander™, our FDA-cleared software, delivers **personalized, real-time insulin dosing recommendations** at the point of care. eGMS has a suite of modules that unites teams around glycemic management and also enables BG check reminders and automated alerts for patients at risk of hypoglycemia and hyperglycemia, which extends nursing capabilities.

Results from real hospitals using Glytec's eGMS



62.6%
reduction in preventable
hypoglycemia-related
adverse drug events⁶



Time savings up to
72 minutes
per nurse per patient
receiving IV insulin⁴

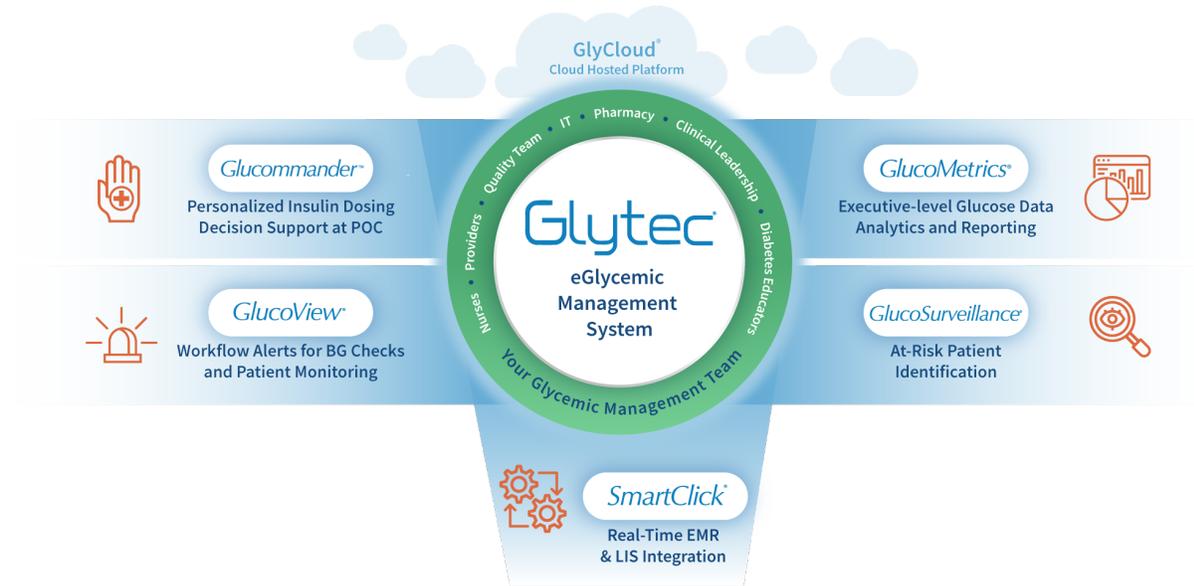


10 hours
reduction in average time to
target blood glucose³



99.8%
reduction in frequency of
severe hypoglycemia⁵

What does eGMS do?



Glytec's comprehensive eGlycemic Management System supports safe and effective glycemic management throughout the continuum of care. **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.



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.



GlucoSurveillance: eGMS interfaces with laboratory information systems to continuously analyze patient blood glucose values of patients not using Glucommander and alert staff about at-risk patients.



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.



Our common goal: improving care for patients requiring insulin.

As the pioneer in data-driven glycemetic management software, Glytec's mission is to improve the lives of patients managing glycemetic issues, and those who administer their care, by optimizing insulin therapy. We've been singularly focused on this goal since our founding in 2006.

That means creating technology that **prioritizes patient safety and guides providers through best practice workflows**. We are committed to making our software as intuitive and easy to use as possible, and provide full training and support for nurses to guide practice change not just at implementation, but in a continued partnership that continues to evolve throughout our relationship.

Let's get started: we can provide guidance for winning buy-in, evidence for your presentations and support with the purchase and post-purchase processes.

Let's Talk About How eGMS Can Help You

Contact Glytec to schedule a demo or discuss next steps.

[CONTACT US](#)

References:

1. 80+ studies with clinical evidence showing efficacy of eGMS: <https://glytecsystems.com/evidence/>
2. Institute for Safe Medication Practices. High-Alert Medications in Acute Care Settings. July 2014. <https://www.ismp.org/recommendations/high-alert-medications-acute-list>.
3. Comparative Effectiveness of a Computerized Algorithm Versus a Physician Instituted Protocol to Manage Insulin Infusions After Cardiac Surgery. Clinical Medicine & Research, Apr 2014.
4. New Interfaces for eGlycemic Management System Save Nursing Time and Improve Patient Outcomes: Time and Motion Nursing Study. American Association of Clinical Endocrinologists Scientific & Clinical Congress, May 2014.
5. 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.
6. 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.

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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Customer service: (888) 458-2683