

## Convergence of Continuous Glucose Monitoring and In-Hospital Tight Glycemic Control: Closing the Gap between Caregivers and Industry

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### Abstract

The convergence of continuous glucose monitoring (CGM) and tight glycemic control protocols is approaching. As with the diffusion of any innovative technology, there will be challenges that will likely delay widespread adoption. With the objective of assessing the current mindset of health care professionals toward CGM adoption in the hospital intensive care unit (ICU) setting and resulting implications to industry, Boston Biomedical Consultants surveyed >60 U.S. ICU managers and nurses during Spring 2007. The underlying sentiment expressed by survey respondents toward CGM was positive, with many citing potential benefits of CGM adoption, such as labor savings, improved glycemic control, and assistance with insulin dosing. While the demand for CGM in the hospital clearly exists, early stage product acceptance will remain limited given the substantial education, market development, and economic hurdles.

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**Abbreviations:** (BBC) Boston Biomedical Consultants, (CGM) continuous glucose monitoring, (ICU) intensive care unit, (ISF) interstitial fluid, (WBG) whole blood glucose

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