

Analysis of the Role of Electronic Blood Glucose Trending Software in Improving Health Outcomes in a Primary Care Setting

Renee Holland, M.S., CDE^{1,2}

Abstract

With the increasing prevalence of diabetes reaching 7% of the total U.S. population,¹ the need for additional tools and resources to help physicians treating diabetes in a primary care setting is needed and often times lacking. In this issue of *Journal of Diabetes Science and Technology* (DST), Janssen *et al.*⁴ evaluate the role of Ascensia® WinGLUCOFACTS® Professional Blood Glucose Management Software in improving blood glucose control, diabetes related behaviors, and patient knowledge and attitudes in a primary care setting versus the traditional handwritten blood glucose (BG) logs. Results from their analysis include a clinically significant reduction in A1C from baseline in comparison to the 9 and 12 month checks (-0.64 at 9 months, and -0.41 at 12 months).

J Diabetes Sci Technol 2007;1(1):54-55

Author Affiliations: ¹Baystate Medical Center, Springfield, Massachusetts, and ²Mills-Peninsula Health Services, San Mateo, California

Abbreviations: (A1C) Hemoglobin A1c, (BG) blood glucose, (CDC) Centers for Disease Control and Prevention, (DSME) Diabetes Self-Management Education, (DST) Journal of Diabetes Science and Technology, (HEDIS) Health Employer Data and Information Set, (NCQA) National Committee on Quality Assurance, (PCPs) primary care physicians

Keywords: blood, glucose, outcomes, software, WinGLUCOFACTS

Corresponding Author: Renee Holland, M.S., CDE, University of New Mexico, Sandia National Laboratories, P.O. Box 5800, 1515 Eubank SE, Mailstop 1015, Albuquerque, New Mexico 87123-3453, email address rholla@sandia.gov