

An Analysis of Data Management Tools for Diabetes Self-Management: Can Smart Phone Technology Keep Up?

Elizabeth Ciemins, Ph.D., M.P.H., M.A.,¹ Patricia Coon, M.D.,¹ and Christopher Sorli, M.D.²

Abstract

In this issue of *Journal of Diabetes Science and Technology*, Rao and colleagues present a comparison of three iPhone diabetes data management applications: the Diamedic Diabetes Logbook, Blood Sugar Diabetes Control, and WaveSense Diabetes Manager. These applications provide patients the ability to enter blood glucose readings manually, view graphs and simple statistics, and email data to health care providers. While these applications show promise, they are limited in their current forms. All require manual data entry and none convert insulin-to-carbohydrate ratios to insulin dose. Future development of these types of technology should consider integration with blood glucose meters and expanded calculation capabilities, as well as monitoring of other risk factors, e.g., blood pressure and lipids, and tracking of preventive examinations, e.g., eye, foot, and renal.

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Author Affiliations: ¹Billings Clinic Center for Clinical Translational Research, Billings, Montana; and ²Billings Clinic Diabetes Center, Billings, Montana

Abbreviations: (HCPs) health care providers, (WDM) WaveSense Diabetes Manager

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Corresponding Author: Elizabeth Ciemins, Ph.D., M.P.H., M.A., Research Director, Billings Clinic Center for Clinical Translational Research, 2800 Tenth Avenue, Billings, MT 59107; email address eciemins@billingsclinic.org