

## Diabetes Information Technology: Designing Informatics Systems to Catalyze Change in Clinical Care

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### Abstract

Current computerized reminder and decision support systems intended to improve diabetes care have had a limited effect on clinical outcomes. Increasing pressures on health care networks to meet standards of diabetes care have created an environment where information technology systems for diabetes management are often created under duress, appended to existing clinical systems, and poorly integrated into the existing workflow. After defining the components of diabetes disease management, the authors present an eight-step conceptual framework to guide the development of more effective diabetes information technology systems for translating clinical information into clinical action.

*J Diabetes Sci Technol* 2008;2(2):275-283

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**Abbreviations:** (CDSS) computer-assisted decision support, (CRs) clinical reminders, (DM) disease management, (EMRs) electronic medical records, (HIT) health information technology, (IOM) Institute of Medicine, (PDSA) Plan-Do-Study-Act

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**Keywords:** diabetes, disease management, electronic medical records, medical informatics, system design

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