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## OUTCOMES MEASURES AND REPORTS

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The National Standards of Diabetes Self-Management Education<sup>1</sup> provide a comprehensive definition of high quality diabetes education that can be implemented in a variety of settings to aid in the improvement of healthcare outcomes for persons with diabetes.

Outcomes for diabetes education programs include clinical, educational, and psychosocial measures. The process of determining interventions associated with the best healthcare outcomes based on the assessment of the unique patient population is known as *Clinical Practice Improvement (CPI)*<sup>2</sup>. CPI provides diabetes educators with the critical patient and program information needed to modify and improve their DSME/T interventions.

Collecting and analyzing outcomes measures for your DSME/T program and your unique patient population will help you:

- Determine program effectiveness
- Inform patients and providers about health status
- Identify processes and best practices to improve patient care and patient satisfaction
- Gather information regarding the achievement of strategic goals for your sponsoring organization
- Aggregate data regarding the effectiveness of the program for patient, payors, and providers

DiaMed facilitates the gathering, tracking, and aggregation of outcomes measures unique to the CPI process of the DSME/T program. DiaMed provides comprehensive reports on the following outcomes:

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### CLINICAL OUTCOMES

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- Hemoglobin A1c
- Lipid Profile
- Blood Pressure
- Urine Albumin-to-Creatinine Ratio (UACR)
- Body Mass Index

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<sup>1</sup> *Diabetes Care* January 2010 vol. 33 no. Supplement 1 S89-S96

<sup>2</sup> Peyrot M, Rubin R. Modeling the Effect of Diabetes Education on Glycemic Control. *Diabetes Educ.* 1994;20:143-148

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## HEALTH STATUS/EDUCATIONAL OUTCOMES

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- AADE 7™ Self-Care Behavior<sup>3</sup> Goals, follow-up rates (including “lost to follow-up”), and patient reported achievement
- Learning Goal Outcomes, follow-up rates (including “lost to follow-up”), and patient reported achievement
- Physical activity
- Self-monitoring of blood glucose
- Self-monitoring of ketones
- Problem solving and prevention of acute complications
  - Hyperglycemia
  - Hypoglycemia
- Risk reduction
  - Smoking and smoking cessation referral
  - Self-foot care
- Diabetes medical management
  - Microalbumin screening including incidence of diagnosed Nephropathy and Microalbuminuria and number of patients with prescribed ACE or ARB
  - Foot exam and monofilament testing by health care practitioner (physician, non-physician)
  - Ophthalmic exam by health care practitioner (Ophthalmologist, Optometrist)
  - Vaccination(s) including influenza and pneumonia
  - Dental exam
  - ECG/Stress test
  - Complete physical examination
  - Diabetes identification use and provision of identification

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## PSYCHOSOCIAL OUTCOMES

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- Patient self-assessment and well-being
- Depression and Quality of Life survey results

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## PROGRAM/PROCESS OUTCOMES

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- Summary of patient outcomes
- Program enrollment and completion rates
- Program enrollment and failure to complete rates (including reasons for failure)

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<sup>3</sup> AADE 7 <http://www.diabeteseducator.org/ProfessionalResources/AADE7/>

# DiaMed

*Diabetes Management Software for Diabetes Education Programs*

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## OTHER DIAMED REPORTS

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### PATIENT MANAGEMENT

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- Labs and medical management due
- Labs/measures report including outliers
- Class “tickler” report
- Follow-up “tickler” report
- Patient activity summary and export
- Clinical measures export
- Patient contact and mailing list

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### PROGRAM MANAGEMENT

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- One-click ADA Education Recognition Program application, 7<sup>th</sup> Edition<sup>4</sup>
- One-click AADE Diabetes Education Accreditation Program application<sup>5</sup>
- Patient volume by diabetes type
- Patient population characteristics including detailed demographics and learning barriers
- Class statistics and group vs. individual class summary
- Notes statistics
- Insurance carrier summary and carrier list
- Health Care Provider referral patterns
- Referring provider contact and mailing list

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### HUMAN RESOURCE MANAGEMENT

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- Staff summary including detailed report by staff member (includes credentials, continuing education credit, contact information, site assignments including role)
- Staff license/credentials expiration audit
- Staff/patient encounters report

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### SECURITY REPORTS

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- Log in report
- User audit

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<sup>4</sup> ADA Education Recognition Program <http://professional.diabetes.org/recognition.aspx?cid=57995>

<sup>5</sup> AADE Diabetes Education Accreditation Program <http://www.diabeteseducator.org/ProfessionalResources/accred/>

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## SELF-CARE BEHAVIOR GOALS AND OUTCOMES

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The assessment and evaluation of diabetes patients' self-care behaviors are a core measure of outcomes performance for the patient and the DSME/T program. DSME/T programs use the self-care behavior measures to:

- determine program and curriculum effectiveness and ability to meet the objectives of the individual and the target population
- compare program and process performance with established benchmarks
- generate statistical reports and develop Continuous Quality Improvement plans to meet the needs to the target population

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### AADE 7™

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The Behavior Goal templates included in DiaMed are reflective of the AADE 7™ Self-Care Behaviors<sup>3</sup> adopted by the American Association of Diabetes Educators. In addition to the Behavior Goals specified by AADE 7™, DiaMed users can customize the Behavior Goal templates to create more specific and measureable goals reflective of their unique DSME/T population.

Behavior Goal follow-up can also be documented and reported in DiaMed. Follow-up intervals are customizable to reflect the follow-up schedule of the DSME/T program. Using DiaMed's goal follow-up form, the diabetes educator can record not only the patient's reported achievement of the behavior goal, but also the educator's assessment of the patient's progress.

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## BEHAVIOR GOALS REPORTING

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Behavior Goal reports can be generated for both the individual patient and the aggregate DSME/T population. The Behavior Goal reports for the DSME/T population can be filtered by Initial Visit or Program Completion Date, Patient Status (active, completed, or failed to complete), Education Center and Education Program, and Referring Provider.

DiaMed's Behavior Goal Outcomes report details the number of patients who chose a particular goal category, follow-up rates at the program specified follow-up intervals, patient reported achievement rates, and lost to follow-up. In addition, a more granular outcome report is available for each goal category which provides all of the aforementioned data for the specific goals in each goal category.

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## QUESTIONS

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For more information or to schedule an online demonstration of DiaMed, please contact Chiron Data Systems, Inc. at 1.866.855.9330 or [sales@chirondata.com](mailto:sales@chirondata.com).