



COMPASS Update

Diabetes Education Process Across the Care Continuum

Effective August 31, 2010, the Consult Diabetes Education order will be replaced with Diabetes Education order.

Reason for Change

- Streamlines the ordering process for physicians related to diabetes education
- Enhances consult process for management of diabetes education to Nursing and Diabetes Educators
- Enables consistent teaching requirements by bedside nursing staff and diabetes educators
- Consults Case Management appropriately for outpatient diabetes education classes and financial needs planning
- Provides improved diabetes education documentation for Joint Commission accreditation

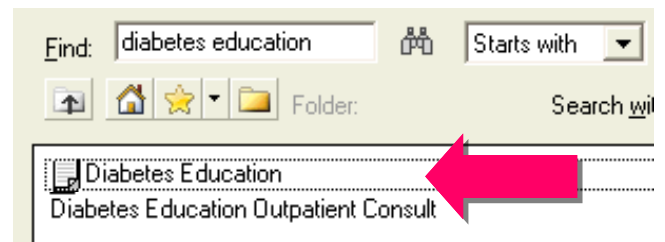
Contents

Placing the Order	2
Nursing Process	5
Collaborative Role with Case Management .	5
Collaborative Role with Diabetes Educator .	5
A Note Regarding Insulin Pumps.....	6
Diabetes Education Information Retrieval ..	7
Discharge Planning	8
New Consult Diabetes Medication Service Order—SMCH Only	8

Order Overview

When the physician or licensed independent practitioner places the single **Diabetes Education** order, it will generate three orders to appropriate disciplines:

- Diabetes Education
- Consult Case Management
- Diabetes Education – Nursing



Example of how the three orders will display in orders profile

Nursing Orders						
07/19/2010 13:45 CDT	SYSTEM			Diabetes Education - Nursing	Ordered	Continuous Order Print and Follow Diabetes Education Pathway
Consults						
07/13/2010 16:18 CDT	SYSTEM			Consult Case Management	Ordered	Discharge Planning: Schedule for Outpatient Diabetes Education classes.
07/13/2010 16:18 CDT	ZZTest , Integration P...			Diabetes Education	Ordered	Diet Lantus/Levemir Only, Continuous Order

Placing the order

Step 1: Order may be placed via the Diabetes Education Careset Adult (1a), the Diabetes Mellitus Admission Powerplan (1b), or added to phase of existing powerplans (1c).

The screenshot shows the search results for 'diabetes' on the left, with 'Diabetes Mellitus Adm' highlighted. On the right, the 'Orders' section shows 'Admit to Medicine Adult (Planned Pending)' with various components checked. A patient information pop-up is visible on the right side of the order entry screen.

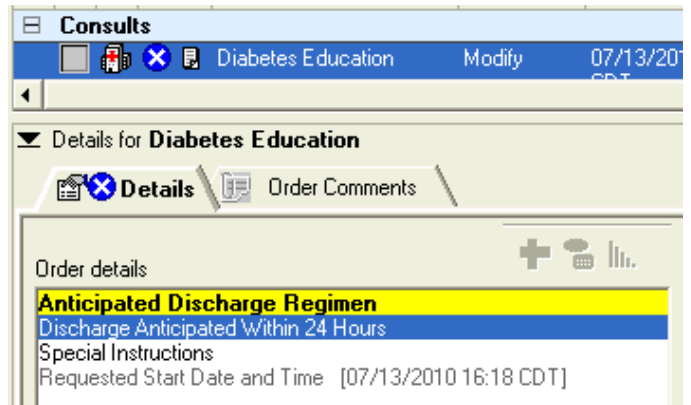
Step 2: Choose the Diabetes Education order from within the Powerplan or Careset.

Component	Status	Details
Vital Signs		
<input checked="" type="checkbox"/> Vital Signs	Ordered	q8h
<input checked="" type="checkbox"/> Pulse Oximetry	Ordered	Once, on admission
<input checked="" type="checkbox"/> Weight	Ordered	Once
Activity		
<input checked="" type="checkbox"/> Activity As Tolerated	Ordered	May leave the floor off telemetry
Nursing Orders		
Interventions		
<input checked="" type="checkbox"/> Saline Lock Insertion	Ordered	Start 1 peripheral IV with 18 gauge or larger cannula
<input checked="" type="checkbox"/> Sodium Chloride 0.9% (Saline flush)	Ordered	3 mL, Flush, q8h
Patient Education		
<input checked="" type="checkbox"/> Activity/Exercise Techniques Instruct	Ordered	Transfer training, 07/20/10 12:37:00 CDT
Medications		
Protocols		
<input checked="" type="checkbox"/> Insulin Scheduled and/or Correctional Scale for Diabetics_1...	Initiated	07/20/2010 12:37 CDT
Laboratory		
Chemistry Panels		
<input checked="" type="checkbox"/> Basic Metabolic Panel	Ordered	Blood, Start Date 07/21/10 6:00:00 CDT, AM collect, Stop Date
Consults		
<input checked="" type="checkbox"/> Consult Dietitian Adults Education	Ordered	Diabetic Diet
<input checked="" type="checkbox"/> Diabetes Education	Ordered	Insulin Pump, Continuous Order

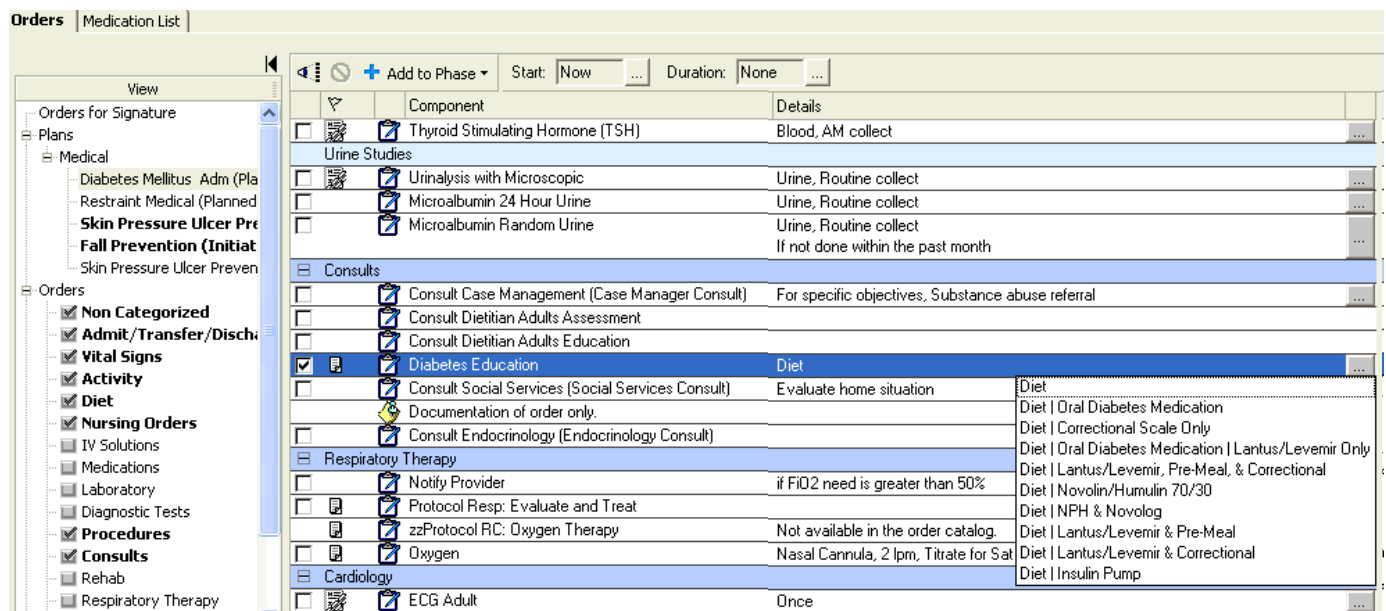
2

Step 3: Complete order details.

- The Diabetes Education order details has 4 order entry fields
- Anticipated Discharge Regimen is a required field, and is multi-select for up to 3 choices.



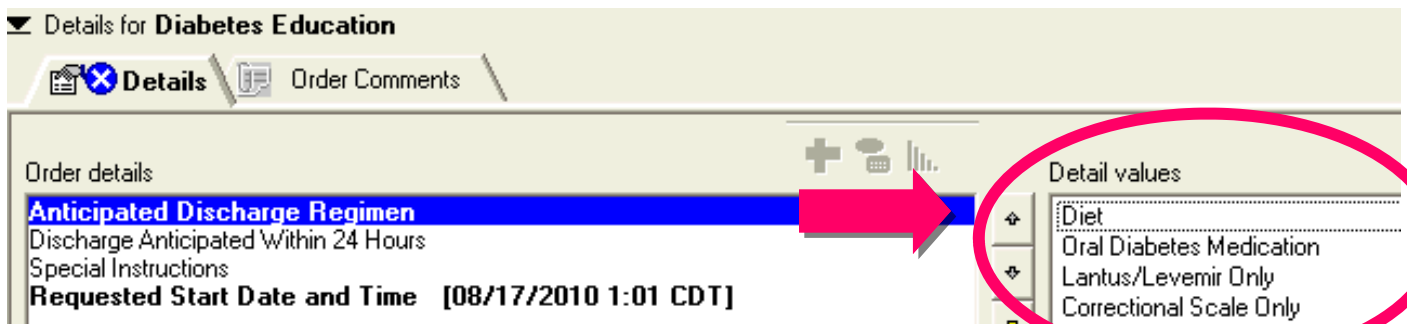
- Specific Anticipated Discharge Regimens within 24 hrs is not required, but should be completed to notify disciplines of pending discharge for planning
- Utilize provided PowerPlan order sentences in the dropdown menu for Anticipated Discharge regimens



- Specific Anticipated Discharge Regimens will generate appropriate consults and task the right clinician automatically

When one or more of the following therapies is selected,

- The nurse and case manager are tasked.
- Nursing will begin to instruct the patient on glucometer testing, diet, and insulin injections.
- Case management will address discharge planning, and outpatient diabetes education classes



The following three orders will display in the order profile:

- Diabetes Education
- Diabetes Education – Nursing
- Consult Case Management

Nursing Orders						
07/19/2010 13:45 CDT	SYSTEM			Diabetes Education - Nursing	Ordered	Continuous Order Print and Follow Diabetes Education Pathway
Consults						
07/13/2010 16:18 CDT	SYSTEM			Consult Case Management	Ordered	Discharge Planning: Schedule for Outpatient Diabetes Education classes.
07/13/2010 16:18 CDT	ZZTest , Integration P...			Diabetes Education	Ordered	Diet Lantus/Levemir Only, Continuous Order

When one or more of the following more complex therapies is selected ...

Details for **Diabetes Education**

Details Order Comments


Order details

Anticipated Discharge Regimen

Discharge Anticipated Within 24 Hours
Special Instructions
Requested Start Date and Time [08/17/2010 1:01 CDT]


Detail values

- Lantus/Levemir, Pre-Meal, & Correctional-NPH & Novolog
- Novolin/Humulin 70/30
- Novolog Mix 70/30
- Lantus/Levemir & Correctional
- Lantus/Levemir & Pre-Meal
- Insulin Pump
- Other



...the Diabetes Educator is added to the patient care team, and an additional order will be viewable in the order profile.

Nursing Orders						
07/19/2010 13:45 CDT	SYSTEM			Diabetes Education - Nursing	Ordered	Continuous Order Print and Follow Diabetes Education Pathway
Consults						
07/19/2010 13:45 CDT	SYSTEM			Consult Case Management	Ordered	Discharge Planning: Schedule for Outpatient Diabetes Education classes.
07/19/2010 13:43 CDT	ZZTest , Integration P...			Diabetes Education	Ordered	Lantus/Levemir, Pre-Meal, & Correctional, Continuous Order
07/20/2010 15:44 CDT	ZZTest , Integration P...			Diabetes Education - Diabetes Educator	Ordered	Print and follow Diabetes Education Pathway



Step 4: Sign the order, or initiate the powerplan.

Step 5: If necessary the physician or licensed independent practitioner may modify the original diabetes education order, when the Anticipated Discharge Regimen needs updating or correction. Right click on the order to make changes. Nursing will be tasked with updated information.

The clinician may choose to follow the recommendations from the Diabetes Education pathway to modify the order.

Nursing Process

Nursing staff will use the Education Pathway flowsheet (shown below) and match it to the Anticipated Discharge Regimen as ordered by the physician and begin the education process. They will highlight the appropriate Anticipated Discharge Regimen for clarity, and file the pathway in the Plan of Care section of the paper chart.

Diabetes Education Pathway UMCB, SMCW, SMCH						
STAFF NURSE complete the Diabetes Survival Skills Assessment in Compass to determine education needs						
Phase	Signs for Referral	Type 1	Type 2	Type 2	Type 2	Type 1 & 2
Step 1: Diabetes Education COMPASS order: Anticipated Discharge Regimen - (Print & Highlight the correct medical path) Adult Diabetes Management Education Pathway Order	Diet & Glucose Teaching Only	Oral Diabetes Medications	Syringe Insulin - Lantus Levorot & Premal & Correctional - Conventional Scale (Only) - Lispro known as Sliding Scale	More Than 1 Insulin - Lantus Levorot & Premal & Correctional - Lantus Levorot & Premal - Conventional Scale - Novolog Uln: 70-90 - Novolog Uln: 70-90 - NPH & Novolog Other	All Type 1 Patients	INSULIN PUMP All patients admitted with insulin pumps Notify Diabetes education 204-1891
Step 2: Orders to File for Teaching	1. Diabetes Education-Nursing 2. Consult Case Management Discharge Planning: Diabetes Management Outpatient Diabetes Education Class	1. Diabetes Education-Nursing 2. Consult Case Management Discharge Planning: Diabetes Management Outpatient Diabetes Education Class	1. Diabetes Education-Nursing 2. Consult Case Management Discharge Planning: Diabetes Management Outpatient Diabetes Education Class	1. Diabetes Education-Nursing 2. Diabetes Education- Diabetes Educator 3. Consult Case Management Discharge planning: Diabetes Management Outpatient Diabetes Education class	1. Diabetes Education-Nursing 2. Diabetes Education- Diabetes Educator 3. Consult Case Management Discharge planning: Diabetes Management Outpatient Diabetes Education class	1. Diabetes Education-Nursing 2. Diabetes Education-Diabetes Educator 3. Consult Case Management Discharge planning: Diabetes Mgmt, Outpatient Diabetes Education class
Step 3: Critical Thinking Evaluate Pt needs for Diet Education and Financial non-compliance issues. Contact physician for Verbal Order.	1) Order Consult Physician Adult Education - Carbohydrate Controlled (New Diagnosis only) 2) Consult Case Management Discharge planning: Diabetes Management, Financial/NonCompliance	1) Order Consult Physician Adult Education - Carbohydrate Controlled (New Diagnosis only) 2) Consult Case Management Discharge planning: Diabetes Management, Financial/NonCompliance	1) Order Consult Physician Adult Education - Carbohydrate Controlled (New Diagnosis only) 2) Consult Case Management Discharge planning: Diabetes Management, Financial/NonCompliance	1) Order Consult Physician Adult Education - Carbohydrate Controlled (New Diagnosis only) 2) Consult Case Management Discharge planning: Diabetes Management, Financial/NonCompliance	1) Order Consult Physician Adult Education - Carbohydrate Controlled (New Diagnosis only) 2) Consult Case Management Discharge planning: Diabetes Management, Financial/NonCompliance	1) Order Consult Physician Adult Education - Carbohydrate Controlled (New Diagnosis only) 2) Consult Case Management Discharge planning: Diabetes Management, Financial/NonCompliance
Step 4: STAFF NURSE If Needed Obtain glucometer from SPD Glucometer Request Admin Link Staff Nurse Insulin Glucometer and Insulin Injection teaching	STAFF NURSE Glucometer Teaching: 1. Print Glucometer Checklist 2. Obtain Glucometer from SPD Glucometer Request Admin Link 3. Play DVD ITV 4. Return Demo & document 5. Obtain Prescription for strips, lancets from MD	STAFF NURSE Glucometer Teaching: 1. Print Glucometer Checklist 2. Obtain Glucometer from SPD Glucometer Request Admin Link 3. Play DVD ITV 4. Return Demo & document 5. Obtain Prescription for strips, lancets from MD	STAFF NURSE Glucometer Teaching: 1. Print Glucometer Checklist 2. Obtain Glucometer from SPD Glucometer Request Admin Link 3. Play DVD ITV 4. Return Demo & document 5. Obtain Prescription for strips, lancets and syringes from MD	STAFF NURSE Glucometer Teaching: 1. Print Glucometer Checklist 2. Obtain Glucometer from SPD Glucometer Request Admin Link 3. Play DVD ITV 4. Return Demo & document 5. Obtain Prescription for strips, lancets and syringes from MD	STAFF NURSE Glucometer Teaching: 1. Print Glucometer Checklist 2. Obtain Glucometer from SPD Glucometer Request Admin Link 3. Play DVD ITV 4. Return Demo & document 5. Obtain Prescription for strips, lancets and syringes from MD	STAFF NURSE Glucometer Teaching: 1. Print INSULIN PUMP NURSE'S 2. MD complete and sign Insulin Pump Orders 3. Obtain pre-printed on Insulin Pump Patient Agreement 4. Place patient Wedge Insulin Pump Record in bedside
Step 5: STAFF NURSE Print Diabetes Education handouts from Hypertension website or Diabetes Education Website	STAFF NURSE Print Basic Handout A Basic Handout B Basic Handout C Basic Handout D	STAFF NURSE Print Basic Handout A Basic Handout B Basic Handout C Basic Handout D	STAFF NURSE Print Basic Handout A Basic Handout B Basic Handout C Basic Handout D	STAFF NURSE Print Basic Handout A Basic Handout B Basic Handout C Basic Handout D	STAFF NURSE Print Basic Handout A Basic Handout B Basic Handout C Basic Handout D	STAFF NURSE N/A
Step 6: DOCUMENTATION Educator Utilize Task List: ADHoc and MPTL	STAFF NURSE Task List: ADHoc Diabetes Education Glucometer Checklist	STAFF NURSE Task List: ADHoc Diabetes Education Glucometer Checklist	STAFF NURSE Task List: ADHoc Diabetes Education Glucometer Checklist Insulin Administration Checklist	STAFF NURSE Task List: ADHoc Diabetes Education Glucometer Checklist Insulin Administration Checklist Diabetes Educator -MPTL	STAFF NURSE Task List: ADHoc Diabetes Education Glucometer Checklist Insulin Administration Checklist Diabetes Educator - MPTL	STAFF NURSE Task List: ADHoc Diabetes Education Diabetes Educator - MPTL

06/2010

Collaborative Role with Case Management

Case Management will continue to assist in discharge planning by setting up outpatient diabetes education classes and managing the financial issues of diabetes care. They will receive tasks to remind them of these needs through this process.

Collaborative Role with the Diabetes Educator

The Diabetes Educator will be consulted automatically when:

- More than one insulin is ordered as described above
- Complex regimens are needed
- An Insulin pump is ordered

A Note Regarding Insulin Pumps

COMPASS does not have a Powerplan or Careset for insulin pumps; therefore, if the patient needs an insulin pump, the staff nurse will do the following:

1. Print insulin pump pre-printed order (shown below) from Seton intranet: http://intranet.seton.net/clinicalres/aspDocs/adult_insulin_pump_orders_for_patient_selfadministration.asp
2. Give physician Insulin Pump Orders to sign and complete.
3. Fax/ Send paper orders to pharmacy.
4. Obtain patient signature on Insulin Pump Patient Agreement
5. Place patient Bedside Insulin Pump Record at bedside

<p>SETON FAMILY OF HOSPITALS Insulin Pump Patient Agreement</p> <p>For your safety and optimal medical care during this hospitalization, you must agree to the following statements regarding the continued use of your insulin pump to manage your diabetes. If you feel you cannot agree to these statements, we will treat your diabetes with subcutaneous insulin injections and discontinue the use of your insulin pump during your hospital stay.</p> <p>During my hospital stay, I agree to (please initial):</p> <p>_____ I and/or my designated caregiver are responsible for the security of my insulin pump <u>at all times</u>. This includes any temporary disconnections from the pump. Seton Family of Hospitals is not financially responsible for any loss or damage to my insulin pump during my hospitalization.</p> <p>_____ I and/or my designated caregiver have been trained in insulin pump therapy. Designated caregiver trained: _____ Pump model and manufacturer 1-800 phone number: _____</p> <p>_____ I and/or my designated caregiver will provide all necessary nonmedication insulin pump supplies including syringe reservoir, tubing, infusion set end cap, tape and batteries. Supplies will include enough for two tubing changes.</p> <p>_____ I or my designated caregiver will show the nurse the "Self Test" on my insulin pump to ensure that it is working properly.</p> <p>_____ I or my designated caregiver agree to base my bolus and correctional doses based upon blood glucose results obtained from the hospital glucometer.</p> <p>_____ I or my designated caregiver will show the nurse my bolus and basal rates. Changes in any of my basal rates will only be made with a doctor's order.</p> <p>_____ I or my designated caregiver will document the total daily dose of insulin on my bedside insulin pump record.</p> <p>_____ I or my designated caregiver will report signs of low blood sugar to the nurse.</p> <p>_____ I or my designated caregiver will report signs of any pump problems to the nurse.</p> <p>_____ I and/or my designated caregiver will ask questions that I and/or my designated caregiver may have about the use of the insulin pumps or doctor's orders.</p> <p>_____ I will change the infusion set every 48-72 hours or as needed for any of the following:</p> <ul style="list-style-type: none"> > The infusion site is red, swollen, or warm to touch. > Bleeding is noted at the site. > Discomfort is felt at the site. > A "no delivery alarm" that will not resolve. > When instructed to do so, by my nurse, for consecutive blood glucose readings greater than 250 mg/dL that were both corrected with insulin pump, and a nurse-administered subcutaneous correction bolus <p>_____ If I cannot manage the pump myself, I may have a designated caregiver assist me and the medical staff with the operation of the insulin pump on the condition that the designated caregiver remains in the hospital during my entire hospital stay. If the</p>	<p><i>Addressograph</i></p>
---	-----------------------------

Diabetes Education Information Retrieval

Physicians can use the Multidisciplinary View to see all documentation related to Diabetes Education.

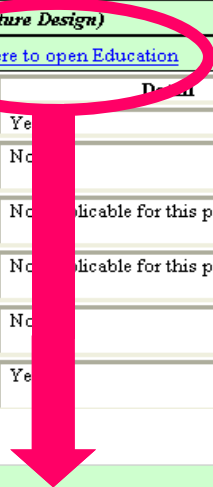
Multidisciplinary View

150%

Discipline
Last Charted Results

Nursing
Case Management/Social Work
Physical Therapy
Occupational Therapy
Speech Therapy
Nutrition
Respiratory Therapy <i>(Future Design)</i>
Diabetic Education Click here to open Education

Event	Detail	Date
Do you have a functioning meter?	Yes	07/09/10 13:22
Do you currently test your blood sugar?	No	07/09/10 13:22
Do you know the name and dose of your medication?	Not applicable for this patient	07/09/10 13:22
Do you know when to take your medication?	Not applicable for this patient	07/09/10 13:22
Are you able to draw up your own insulin and give your own shot?	No	07/09/10 13:22
Do you know when to take your insulin?	Yes	07/09/10 13:22



Diabetes Education

Topics	Individuals Taught	Barriers to Learning	Teaching Method	Teaching Evaluation	Referral Made To	Performed by	Date
Blood glucose monitoring, Chronic complications, Disease process, Insulin	Father, Patient, Sibling	Cultural barrier, Desire/Motivation	Demonstration, Printed materials, Video/Educational TV	Needs further teaching, Needs practice/supervision, Needs reinforcement		Karcher, Terrie L RN Test	07/20/10 14:46:00
Acute complications, Blood glucose monitoring, Comments: dshoasidyuoasud	Patient	None evident	Computer based learning	Needs further teaching	Cardiac rehab	Dugger, Lisa B RN-CDE	07/09/10 14:21:00
Blood glucose monitoring, Insulin, Insulin administration, Medication dosage, route, scheduling, Monitoring results, Palliative care, Psychosocial adjustment	Daughter, Significant other	Cultural barrier, Patient refused family/companion not available	Demonstration, Explanation, Printed materials	Needs reinforcement		Karcher, Terrie L RN Test	07/09/10 13:54:00

Discharge Planning

Discharging the diabetes patient will not change. Continue to do the following:

- Use current Discharge PowerPlan.
- Do not re-order Diabetes Education if previously placed.
- Locate and fill out Pre-Printed prescription pads for ordering strips, lancets, syringes, and glucometers
- Discuss financial issues regarding supplies with Case Management
- Case Management will continue to set up Outpatient Diabetes Education classes for patients

New Consult Diabetes Medication Service Order

- **At SMCH only.**
- This order will enlist Betsy Carlisle, PharmD, to help manage diabetes medications. Utilize this order for assistance or recommendations for treatment.
- You may search by “diabetes” or “consult dia” in the Find: window to locate this order

08/05/2010 11:46 CDT	ZZTest , Integration P...		Consult Diabetes Management Service	Ordered	-	-	For recommendation on treatment
-------------------------	------------------------------	---	--	---------	---	---	---------------------------------

