## South Carolina Adult Guidelines for Diabetes Care in the Hospital – 2018

Key concepts: documentation of diabetes diagnosis; written blood glucose monitoring protocols; order consistent carbohydrate diet; protocols for treatment of hypoglycemia and hyperglycemia, data collection; standardized order entry; staff education, patient education - hospital and post-discharge; special considerations and patient safety.

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Screening for Diagnosis of	Diabetes Diagnosis	Diagnosis should be clearly identified in the medical record (MR) by the physician using current classification:
Diabetes:		Diabetes Type: type 1, type 2, suspect type 1, suspect type 2, CF related diabetes, gestational, pre-diabetes or other (drug or stress induced)
To test for diabetes or to	Hemoglobin A1C	Order A1C on all patients with diabetes or hyperglycemia (blood glucose >140mg/dL) if not able to document level in MR within 90 days of admission (excluding
assess risk of future		gestational) and/or prior to elective surgery to assess glycemic control.
diabetes, either	Whole Blood Glucose	Written protocols or orders for WBG POC testing to include frequency and individual plan for subsequent monitoring. WBG POC testing results should be available to all
Hemoglobin A1C, Fasting	(WBG) Point of Care	members of the health care team. WBG POC testing policy should include limitations of WBG POC testing in critically ill patients defined by the institution
Plasma Glucose (FPG), or 2-	(POC) Testing	(i.e., hypothermia, anasarca, pressors, etc.).
h 75 g Oral Glucose Tolerance test (OGTT) are	Diet Order	a. Diet orders should be based on body weight and comorbidities (NPO, PO, Enteral and Parenteral Nutrition)
appropriate.		b. Consistent carbohydrate should be provided or added to other diet orders
арргорнасе.		c. Written policy/protocol for the coordination of WBG POC testing, insulin administration and meal tray delivery
An A1C level of 5.7% to		d. Nutrition consult ordered, if indicated
6.4% indicates increased	Insulin Therapy	Insulin therapy should be initiated per written orders sets. Insulin therapy is the preferred method during hospitalization. In critical care units, validated protocols for IV
risk for diabetes (pre-		infusion is the preferred route of insulin administration with goals for blood glucose levels of 140-180mg/dL. More stringent goals such as 110 -140mg/dL may be
diabetes).		appropriate in select patients.
,		In non-critically ill patients, scheduled subcutaneous insulin with basal, nutritional and correctional components is the preferred method with a goal of 140-180mg/dL
The criteria for the		a. Basal insulin: to control glucose between meals and suppress overnight hepatic glucose production (NPH, glargine, detemir, U-500)
diagnosis of diabetes		b. Prandial/nutritional insulin: to cover carbohydrate load from meals or enteral nutrition - give as rapid acting insulin analog with meals (aspart, lispro, glulisine)
(indicated by one of the		c. Correction insulin (give as rapid acting insulin analog): to correct pre-meal hyperglycemia
following):		d. The sole use of sliding scale insulin is discouraged.
1. A1C level of 6.5% or	Hypoglycemia	Written policy, protocol and/or order set for treatment of hypoglycemia. Hypoglycemia is defined as a blood glucose (BG) < 70 mg/dL. Severe hypoglycemia is defined
higher		as <54 mg/dL. Written nurse driven protocols and order sets to include:
2. FPG level of > 126 mg/dL		<ul> <li>a. Treatment for hypoglycemia and a plan for prevention of hypoglycemia for each patient</li> <li>b. Recheck of WBG POC test within 30 minutes of the first WBG POC test &lt; 70mg/dL</li> </ul>
3. Two hour OGTT level of >		<ul> <li>b. Recheck of WBG POC test within 30 minutes of the first WBG POC test &lt; 70mg/dL</li> <li>c. Adjustment of anti-hyperglycemic regimen, if applicable</li> </ul>
200 mg/dL	Treatment of	Written protocols and order sets to include:
Provention (delay of type 2	hyperglycemia (Diabetic	a. Fluid replacement
Prevention/delay of type 2 diabetes: refer to support	Ketoacidosis [DKA] and	b. Correct electrolytes
program targeting weight	Hyperosmolar	c. Low dose insulin therapy
loss of 7% of body weight	Hyperglycemic	d. Hourly BG testing when patient is receiving IV Insulin infusion
and physical activity to at	Syndrome [HHS])	e. Policy for transitioning from IV Insulin Infusion to subcutaneous insulin regimen (i.e., basal insulin given 2 hours prior to discontinuing IV Insulin Infusion)
least 150 min/week (i.e.	Data Collection	Hospitals are encouraged to collect data on incidences of hypoglycemia and reasons as well as other identified opportunities for improvement.
Diabetes Prevention	Standardized written	Standardized written policies, protocols and order sets are recommended to integrate components of care, preserve the necessary complexity of management of
Program).	protocols and order	diabetes, standardize order entry, protect the safety of the patient, facilitate patient individualization, and permit patient self-management, where appropriate. This
	sets	includes:
In those identified with		a. WBG POC Testing
prediabetes, identify, and if		b. Hemoglobin A1C
appropriate, treat other		c. Consistent carbohydrate diet
CVD risks.		d. Hypoglycemia protocol
Reference: American		e. Insulin Order Set: Basal, prandial/nutritional and correction
Diabetes Association.		f. IV Insulin Infusion, transition from IV Insulin Infusion to subcutaneous insulin administration and transition to home regimen prior to discharge
Standards of Medical Care in		g. Continuous Subcutaneous Insulin Infusion Pump Therapy (CSII)
Diabetes- 2018. Diabetes	Staff Education	The following groups have education specific to policies, protocols, order sets and patient management related to diabetes: dietitians and others involved in medical nutrition therapy, staff involved in WBG POC testing, medical staff, nursing staff including advanced practice, pharmacists, physician assistants and interdisciplinary team.
Care. Volume 41, Supplement	Transitioning for	Preparing the patient for discharge should include:
1. January 2018 http://care.diabetesjournals.o	Discharge	Medication reconciliation including an explanation of medication changes, pending tests and studies with patient and caregivers
rg/content/41/Supplement 1	2.36110166	Diabetes education (medication, nutrition, exercise, hypoglycemia, hyperglycemia, BG monitoring, sick day guidelines, discharge and contact information)
ig. ss.nonu i nouppioinom i		Document in MR a diabetes follow-up appointment after hospital discharge and other provider appointments, if applicable
		Referral to ADA recognized or AADE accredited Diabetes Self-Management Education/Training (DSME/T) Program if applicable
	Specific	Written protocols and order sets are recommended for the following patients with diabetes:
	Settings/Populations	a. Perioperative and pre-procedural
		b. Gestational
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