



Demographics				
Student Name:		D.O.B.:	Grade:	Diagnosis:
Parent/Guardian:		Home Phone:	Work Phone:	Cell Phone:
Insulin Orders				
Insulin Dosing:				
<input type="checkbox"/> Carbohydrate (CHO) coverage	<input type="checkbox"/> Correction dose only	<input type="checkbox"/> Correction dose plus CHO coverage	<input type="checkbox"/> Fixed dose	
<input type="checkbox"/> Fixed dose with correction scale	<input type="checkbox"/> See attached dosing scale			
Insulin(s):				
<input type="checkbox"/> Rapid Acting:	<input type="checkbox"/> Apidra	<input type="checkbox"/> Humalog	<input type="checkbox"/> Novolog	<input type="checkbox"/> Admelog
<input type="checkbox"/> Other (specify): _____				
<input type="checkbox"/> Any of the Rapid Acting insulins may be substituted for the others				
<input type="checkbox"/> Long Acting (if given at school): _____ Give _____ unit(s) of insulin Sub-Q at _____ (time)				
Insulin Delivery:				
<input type="checkbox"/> Pen	<input type="checkbox"/> Syringe	<input type="checkbox"/> Pump (make/model): _____		
Carbohydrate (CHO) Coverage per Meal:				
<input type="checkbox"/> _____ unit(s) of insulin Sub-Q per _____ grams of CHO at breakfast				
<input type="checkbox"/> _____ unit(s) of insulin Sub-Q per _____ grams of CHO at lunch	<input type="checkbox"/> _____ unit(s) of insulin Sub-Q per _____ grams of CHO at dinner			
Carbohydrate Dose Adjustment Prior To Strenuous Exercise Within _____ Minutes:				
<input type="checkbox"/> Use exercise/PE CHO ratio of _____ unit(s) of insulin per _____ grams of CHO at breakfast				
<input type="checkbox"/> Use exercise/PE CHO ratio of _____ unit(s) of insulin per _____ grams of CHO at lunch				
<input type="checkbox"/> Use exercise/PE CHO ratio of _____ unit(s) of insulin per _____ grams of CHO at dinner				
Correction Dose:				
<input type="checkbox"/> Give _____ unit(s) of insulin Sub-Q for every _____ mg/dl greater than BG of _____ mg/dl				
<input type="checkbox"/> If pre-breakfast BG less than _____ mg/dl, subtract _____ unit(s) of insulin dose				
<input type="checkbox"/> If pre-lunch BG less than _____ mg/dl, subtract _____ unit(s) of insulin dose				
<input type="checkbox"/> If pre-dinner BG less than _____ mg/dl, subtract _____ unit(s) of insulin dose				
<input type="checkbox"/> Fixed Dose Insulin: _____ unit(s) of insulin Sub-Q given before school meals				
<input type="checkbox"/> Split Insulin Dose:				
Give _____ unit(s) or _____ % of meal insulin dose Sub-Q before meal and _____ unit(s) or _____ % of meal insulin dose Sub-Q after meal				
Snack Insulin Coverage:				
<input type="checkbox"/> No snack coverage	<input type="checkbox"/> Snack coverage if BG > _____ mg/dl			
<input type="checkbox"/> _____ unit(s) of insulin Sub-Q per _____ grams of CHO				
Insulin Dose Administration Principles* *See page 2 for Hyperglycemia management				
Insulin should be given:				
<input type="checkbox"/> Before meals	<input type="checkbox"/> Before snacks	<input type="checkbox"/> Other times (please specify): _____		
<input type="checkbox"/> For correction if BG > _____ mg/dl and _____ hours since last dose/bolus				
<input type="checkbox"/> If CHO intake cannot be predetermined, insulin should be given no more than _____ minutes after start of meal/snack				
<input type="checkbox"/> If parent/guardian requests, insulin should be given no more than _____ minutes after start of meal/snack				
<input type="checkbox"/> Use pump or bolus device calculations per programmed settings, once settings have been verified				
<input type="checkbox"/> Parent/Guardian has permission to increase/decrease insulin correction dose by +/- one (1) unit to three (3) units of insulin or adjust the CHO ratio by +/- 20 grams of CHO per one (1) unit of insulin				
Independent Insulin Administration Skills* & Supervision Needs *Skills to be verified by school nurse				
<input type="checkbox"/> Insulin dose calculations	<input type="checkbox"/> Carbohydrate counting	<input type="checkbox"/> Measuring insulin	<input type="checkbox"/> Insulin administration	
<input type="checkbox"/> Independent	<input type="checkbox"/> Independent	<input type="checkbox"/> Independent	<input type="checkbox"/> Independent	
<input type="checkbox"/> With Supervision	<input type="checkbox"/> With Supervision	<input type="checkbox"/> With Supervision	<input type="checkbox"/> With Supervision	
Other Diabetes Medication				
Name of Medication	Time	Dosage	Route	Possible Side Effects
Authorizations				
HEALTH CARE PROVIDER AUTHORIZATION			PARENT/GUARDIAN AUTHORIZATION	
I authorize the administration of the medications and student diabetes self-management as ordered above.			By signing below, I authorize:	
			• The designated school personnel to administer the medication and treatment orders as prescribed above.	
Provider Name (PRINT):			By signing below, I agree to:	
			• Provide the necessary diabetes management supplies and equipment; and	
Phone:			• Notify the nurse of any changes in my child's care or condition.	
			Fax:	
Provider Signature:		Date:	Parent/Guardian Signature:	
Parent/Guardian Signature:		Date:	Parent/Guardian Signature:	
Acknowledged and Received by:			School Nurse:	Date:

Maryland Diabetes Medical Management Plan / Health Care Provider Order Form

Valid from: Start ___/___/___ to End ___/___/___ or for School Year _____

Student Name: _____		D.O.B.: _____
Blood Glucose Monitoring* *Self-management skills to be verified by school nurse		
Blood Glucose (BG) Monitoring:		
<input type="checkbox"/> Before meals <input type="checkbox"/> Before PE/Activity <input type="checkbox"/> After PE/Activity <input type="checkbox"/> Prior to dismissal <input type="checkbox"/> Additional monitoring per parent/guardian request <input type="checkbox"/> For symptoms of hypo/hyperglycemia and any time the student does not feel well <input type="checkbox"/> Student may independently check BG*		
Continuous Glucose Monitoring		
<input type="checkbox"/> Uses CGM Make/Model: _____ Is this CGM make/model approved by the FDA for insulin dosing? <input type="checkbox"/> Yes <input type="checkbox"/> No Alarms set for: Low _____ mg/dl High _____ mg/dl <input type="checkbox"/> If sensor falls out at school, notify parent/guardian		
Hypoglycemia Management* *Self-management skills to be verified by school nurse		
Mild or Moderate Hypoglycemia (BG below _____ mg/dl)		
<input type="checkbox"/> Provide quick-acting glucose product equal to 15 grams of carbohydrate (or glucose gel), if conscious & able to swallow <input type="checkbox"/> Suspend pump for BG < _____ mg/dl and restart pump when BG > _____ mg/dl <input type="checkbox"/> Student should consume a meal or snack within _____ minutes after treating hypoglycemia <input type="checkbox"/> Other: _____		
Always treat hypoglycemia before the administration of meal/snack insulin		
Repeat BG check 15 minutes after use of quick-acting glucose		
<ul style="list-style-type: none"> If BG still low, re-treat with 15 grams quick-acting CHO as stated above If BG in acceptable range and it is lunch or snack time, have student eat and cover meal CHO per orders If CGM in use and BG \geq 70 mg/dL and arrow going up, no need to recheck 		
Student may self-manage mild or moderate hypoglycemia and notify the school nurse*: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Severe Hypoglycemia (includes any of the following symptoms):		
<ul style="list-style-type: none"> Unconsciousness Inability to swallow GLUCAGON injection: <input type="checkbox"/> 1 mg <input type="checkbox"/> 0.5 mg IM or Sub-Q <ul style="list-style-type: none"> Place student in the recovery position Suspend pump, if applicable, and restart pump at BG > _____ mg/dl Call 911 and state glucagon was given for hypoglycemia; notify parent/guardian If glucagon is not available or there is no response to glucagon, administer glucose gel inside cheek, even if unconscious or seizing. If glucose gel is administered, place student in recovery position. 		
Hyperglycemia Management* *Self-management skills to be verified by school nurse		
If BG greater than _____ mg/dl, or when child complains of nausea, vomiting, and/or abdominal pain, check urine/blood for ketones		
If urine ketones are trace to small or blood ketones less than _____ mmol/L:		
<ul style="list-style-type: none"> Give _____ ounces of sugar-free fluid or water per hour as tolerated Give insulin as listed in insulin orders no more than every _____ hour(s) 		
If urine ketones are moderate to large or blood ketones greater than _____ mmol/L:		
<ul style="list-style-type: none"> Give _____ ounces of sugar-free fluid or water per hour as tolerated If student uses pump, disconnect pump Give insulin as listed in insulin orders no more than every _____ hour(s) by injection 		
If large ketones and vomiting or large ketones and other signs of ketoacidosis, call 911. Notify parent/guardian.		
Re-check BG and ketones _____ hours after administering insulin		
Contact parent/guardian for: <input type="checkbox"/> BG > _____ mg/dl <input type="checkbox"/> Ketones > _____ mmol/L		
Student may self-manage hyperglycemia with trace/small ketones and notify the school nurse: * <input type="checkbox"/> Yes <input type="checkbox"/> No		
Ketone Coverage		
For ketones trace to small (urine)/< _____ mmol/L (blood):		
<input type="checkbox"/> Correction dose plus _____ unit(s) of insulin <input type="checkbox"/> _____ unit(s) of insulin		
For ketones moderate to large (urine)/> _____ mmol/L (blood):		
<input type="checkbox"/> Correction dose plus _____ unit(s) of insulin <input type="checkbox"/> _____ unit(s) of insulin		
Parent/Guardian Name: _____	Signature: _____	Date: _____
Provider Name: _____	Signature: _____	Date: _____
Acknowledged and Received by: _____	School Nurse: _____	Date: _____

Maryland Diabetes Medical Management Plan / Health Care Provider Order Form

Valid from: Start ___/___/___ **to End** ___/___/___ **or for School Year** _____

Student Name:	D.O.B.:
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Physical Education, Physical Activity, and Sports* *Self-management skills to be verified by school nurse	
<input type="checkbox"/> Avoid physical education/physical activity/sports if: <input type="checkbox"/> BG < _____ mg/dl <input type="checkbox"/> BG > _____ mg/dl <input type="checkbox"/> Trace/small ketones present <input type="checkbox"/> Moderate/large ketones present <input type="checkbox"/> If BG is ≤ _____ mg/dl, give 15 grams of CHO and return to physical education/physical activity/sports <input type="checkbox"/> May disconnect pump for physical education/physical activity/ sports <input type="checkbox"/> Student may set temporary basal rate for physical education/physical activity/sports* <input type="checkbox"/> Other: _____	

Transportation* *Self-management skills to be verified by school nurse	
<input type="checkbox"/> Check BG prior to dismissal <input type="checkbox"/> If BG is not > _____ mg/dl, give _____ grams carbohydrate snack <input type="checkbox"/> BG must be > _____ mg/dl for bus ride/walk home <input type="checkbox"/> Only check BG if symptomatic prior to bus ride/walk home <input type="checkbox"/> Allow student to carry quick-acting glucose for consumption on bus, as needed for hypoglycemia* <input type="checkbox"/> Student must be transported home with parent/guardian if (specify): _____ <input type="checkbox"/> Other: _____	

Disaster Plan (if needed for lockdown, 72-hour shelter in place)	
<input type="checkbox"/> Continue to follow orders contained in this medical management plan <input type="checkbox"/> Additional insulin orders as follows: unit(s)/hour <input type="checkbox"/> Other: _____	

Pump Management		
Type of Pump:	Pump start date:	Child Lock: <input type="checkbox"/> On <input type="checkbox"/> Off
Basal rates:		
_____ unit(s)/hour _____ AM/PM	_____ unit(s)/hour _____ AM/PM	_____ unit(s)/hour _____ AM/PM
_____ unit(s)/hour _____ AM/PM	_____ unit(s)/hour _____ AM/PM	_____ unit(s)/hour _____ AM/PM
_____ unit(s)/hour _____ AM/PM	_____ unit(s)/hour _____ AM/PM	_____ unit(s)/hour _____ AM/PM
Additional Hyperglycemia Management:		
<input type="checkbox"/> If BG > _____ mg/dl and has not decreased over _____ hours after bolus, consider infusion site change. Notify parent/guardian <input type="checkbox"/> For infusion site failure: <input type="checkbox"/> Give insulin via syringe or pen <input type="checkbox"/> Change infusion site <input type="checkbox"/> For suspected pump failure, suspend or remove pump and give insulin via syringe or pen <input type="checkbox"/> If BG > _____ mg/dl and <u>moderate to large</u> ketones, student should change infusion site and give correction dose by pen or syringe <input type="checkbox"/> Comments: _____		

Independent Pump Management Skills and Supervision Needs*	
*Skills to be verified by school nurse. Supervision will be provided if not fully independent when appropriate	

Student is independent in the pump skills indicated below:		
<input type="checkbox"/> Carbohydrate counting	<input type="checkbox"/> Bolus an insulin dose	<input type="checkbox"/> Set a basal rate/temporary basal rate
<input type="checkbox"/> Reconnect pump at infusion set	<input type="checkbox"/> Prepare and insert infusion set	<input type="checkbox"/> Troubleshoot alarms and malfunctions
<input type="checkbox"/> Give self-injection if needed	<input type="checkbox"/> Disconnect pump	<input type="checkbox"/> Other: _____

Additional Orders	
<input type="checkbox"/> Please FAX copies of BG/insulin diabetes management records every _____ weeks	(FAX number: _____)
<input type="checkbox"/> Other orders: _____ <i>Use page 4 of form if additional space is needed</i>	

Parent/Guardian Consent for Self-Management	
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I acknowledge that my child **is** **is not** authorized to self-manage as indicated by my child's health care provider
 I understand the school nurse will work with my child to learn self-management skills if he/she is not currently capable of or authorized to perform independently
My child has my permission to independently perform the diabetes tasks listed below as indicated by my child's health care provider:

<input type="checkbox"/> Blood glucose monitoring	<input type="checkbox"/> Insulin administration	<input type="checkbox"/> Pump management
<input type="checkbox"/> Carbohydrate counting	<input type="checkbox"/> Insulin dose calculation	<input type="checkbox"/> Other: _____

Parent/Guardian Name:	Signature:	Date:
Provider Name:	Signature:	Date:
Acknowledged and Received by:	School Nurse:	Date:

Maryland Diabetes Medical Management Plan / Health Care Provider Order Form
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Student Name:	D.O.B:
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Additional Orders Addendum

Parent/Guardian Name:	Signature:	Date:
Provider Name:	Signature:	Date:
Acknowledged and received by:	School Nurse:	Date:

Maryland Diabetes Medical Management Plan/Health Care Provider Order Form

Guidance Document

Form Section	Guidance
<p>Insulin Dosing</p> <p>Carbohydrate coverage</p> <p>Correction dose</p> <p>Fixed dose</p> <p>Fixed dose with sliding scale</p>	<p>Calculated to cover carbohydrate intake at meals or snacks. $\frac{\text{Grams of carbohydrate in meal}}{\text{Insulin to Carb Ratio}} = \text{units of insulin}$</p> <p>Calculated to correct a high blood glucose level to a desired goal. Sample formula: $\frac{\text{Blood glucose} - \text{Target blood glucose}}{\text{Sensitivity Factor}} = \text{units for correction}$</p> <p>Set insulin dose at meals.</p> <p>Set insulin dose which is adjusted based on blood glucose levels.</p>
<p>Insulin Delivery Insulin Pumps</p>	<p>It is always helpful to have quick access to the instruction manual or the quick reference guide for each pump. All pump manufacturers have websites with instruction manuals and online trainings.</p>
<p>Insulin Dose Administration Principles</p>	<p>Insulin dose calculation: round up or down to the nearest half or whole unit. May use clinical discretion: if physical activity follows, round down.</p> <p>Insulin should be given before a meal. If the CHO intake cannot be determined before the meal, consult with the parents and provider to develop a plan that would work best for the student.</p>
<p>Target Blood Glucose Range</p>	<p>Suggested ranges per the American Diabetes Association for all pediatric patients with Type 1.</p> <ul style="list-style-type: none"> • Before meals: 90-130 mg/dl • Bedtime/overnight: 90-150 mg/dl
<p>Continuous Glucose Monitoring</p>	<p>Monitors glucose level from the interstitial tissue. Provides valuable information on trends in glucose levels, pre- and post-meal glucose levels and glucose changes during exercise. System involves a sensor, transmitter and a receiver. Interstitial reading lags behind blood glucose readings by 5 minutes. Medtronic and Dexcom are the primary CGM manufacturers and each has helpful websites.</p>

Guidance Document (continued)

Form Section	Guidance
Hypoglycemia	<p>Examples of quick acting glucose sources (equal to approximately 15 grams CHO) include:</p> <ul style="list-style-type: none"> • 4 ounces of fruit juice • 4-6 ounces of regular soda • 3-4 glucose tablets • 2-3 rolls of smarties 10 sweet tarts • 15 regular jelly beans • 3 teaspoons of cake decorating gel (fat free) • 1 Tablespoon of table sugar • 4-5 packets of table sugar <p>Some students, especially younger students on insulin pumps, may need less amounts of quick acting glucose to correct a low BG. Parent may provide a chart with quick acting glucose amounts for BG less than target, per provider permission.</p>
Hypoglycemia Glucagon	<p>Emergency injectable hormone that raises blood glucose levels within 5-15 minutes; dosing based on weight.</p>
Hyperglycemia	<p>Refer to the Hyperglycemia algorithm in the MSDE/MDH Management of Diabetes in Schools. Encourage sugar free fluids per DMMP. Ketone monitoring is imperative in managing hyperglycemia. Ketones are released with a lack of insulin; untreated hyperglycemia can lead to elevated</p>
Physical Education, Physical Activity, Sports	<p>Students on insulin pumps may have options in preparing for physical activity. For example; suspending the pump, modifying the basal rate, and disconnecting the pump.</p>

References:

American Diabetes Association. Children and adolescents, Sec 11. In Standards of Medical Care in Diabetes – 2016. Diabetes Care 2016; 39(Suppl. 1): S86-93.

Maryland State School Health Services Guideline, Management of Diabetes in Schools, 2016.

Helping Administer to the Needs of Students with Diabetes in School, Training Program for School Nurses, 2014.