



MAINE DEPARTMENT OF EDUCATION OFFICE OF SCHOOL AND STUDENT SUPPORTS COORDINATED SCHOOL HEALTH



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The Maine Department of Education provides this Guide for School Health Services: Diabetes Management and Resource Guide in accordance with Maine Revised Statutes <u>Title 20-A section 6403-A (5)</u> which directs the Commissioner to issue guidelines on the provision of school health services and health-related activities.

While this document intends to summarize currently available resources for the school nurse, it does not replace clinical nursing judgment for their practice. The school nurse is responsible for complying with all federal, state, and local laws, rules, regulations, and ordinances as well as relevant standards of practice.

Introduction

Diabetes is a chronic health condition in a school population that can lead to complications during the school day. The school nurse is the catalyst for care management for students with diabetes. The management includes collaboration with family, care coordination with healthcare providers, facilitating team meetings related to care, coordinating training for identified staff to provide emergency care, and maintaining documentation.¹ It is important to implement a comprehensive diabetes care plan and share it with all staff members and coaches involved with the student, ensuring the appropriate care during the school day, on the bus, during field trips, or at athletic events. The purpose of this resource guide is to assist school nurses, educators, and all school staff members to help students with diabetes participate fully and meet goals pertaining to glucose control and stability, academics, physical education, and extracurricular activities. This can be accomplished through clinical assessments, monitoring, nutrition, exercise, staff/student education and risk reduction measures.²

This document provides relevant up to date information collected after review and collection of the most current content available from the National Institute of Health (NIH), American Diabetes Association (ADA), National Association of School Nurses (NASN) and multiple neighboring states to support the safest care practices for students with diabetes in Maine schools. The Maine Department of Education recognizes the work accomplished and provided to school nurses by the NASN. Included is the recently updated Guidelines, and Diabetes Toolkit, <u>School Nursing Evidence-Based Clinical Practice Guideline: Students with Type 1 Diabetes</u>. There are several sample policies and procedures, care plans and training slides, visual representations of content as well as professional development opportunities. Explore this live document, NASN will continue to keep content up to date. Some pages of interest:

School nurse assessment of self-management of type 1 diabetes (T1D)

Student self-management of T1D inventory Sample hypoglycemia emergency care plan Sample hyperglycemia emergency care plan Sample 504 Sample USP competency checklist Parental authorization for glucagon injection Sample insulin administration log Links to diabetes technology and customer support Diabetes medications fact sheet Tiered training discussion and slides Additional resources and professional development opportunities



Legislation

- <u>Americans with Disabilities Act (ADA</u>)
- Individuals with Disabilities Education Act (IDEA)
- Family Educational Rights and Privacy Act (FERPA)
- Free and Appropriate Public Education (FAPE)
- Section 504 of the Rehabilitation Act of 1973
- Frequently Asked Questions About Section 504 and the Education of Children with Disabilities

Federal laws mandate that all students attending public schools have access to health care during the school day and during extracurricular school activities, if necessary, for full participation.^{3,4} The level of self-management of diabetes during a school day is determined on an individual basis in collaboration with the student, parent, and health care provider.³ A diabetes medical management plan (DMMP) provided by the physician will guide the development of the 504 plans, outlining what accommodations the student will need with parental input and consent.³ The school administrative unit has a legal obligation to ensure that these accommodations are provided as described in the plan.³ The individual health plan (IHP) and 504 plan may be included in the same document. <u>ADA Sample 504 Plan</u>

Role of the School Nurse in Diabetes Management

Diabetes requires a team approach. The school nurse collaborates with the student, family, and healthcare providers along with school staff to help meet and maintain student goals at school.⁵ As with other health conditions in school, the school health team is central to student safety. For more information about assembling school health teams, refer to the Maine Guidelines for School Health Services. Complications of diabetes can be dramatically reduced or prevented with intensive glucose control.⁵ An individualized plan of care must be developed for each student so they can fully participate in all school activities.

The school nurse works to improve the health and safety of school-age children with diabetes by utilizing and successfully implementing guidelines provided within this document.

- □ Improved management of diabetes
- Decreased time spent out of the classroom
- \Box Improved student academic success
- □ Full participation in all school activities
- □ Decreased hospitalizations
- □ Improved quality of life
- \Box Improved mental well being⁵

The nurse, in collaboration with family and healthcare providers, can assist the student with diabetes reach age-appropriate goals, independence and life longevity. (Appendix E)





Coordination/Oversight by the School Nurse

<u>Maine Revised Statutes, Title 32, Section 2102,</u> referred to as the Nurse Practice Act, authorizes registered professional nurses to delegate tasks within their scope of practice to licensed practical nurses and certified nursing assistants only.⁶ Nurses can provide coordination and oversight for unlicensed school personnel (USP) as described in 02-380, Ch 6 *Regulations Relating to Coordination and Oversight of Patient Care Services by* <u>Unlicensed Health Care Assistive Personnel</u>.⁶ While the laws and regulations are silent, the Maine Department of Education recommends as best practice that only a nurse give injectable medication, except in an emergency. Coordination, and oversight may include medication administration, blood sugar monitoring, and emergency interventions including the administration of glucagon.⁷

The school nurse's responsibility in oversight includes:

- \Box Identify needs of student
- □ Identify tasks to be performed
- □ Provide directions for tasks
- □ Determine the ability of USP
- □ Establish appropriate tasks for USP
- □ Monitor USP's reporting and documentation of tasks
- □ Educate USP to report unusual findings to nurse
- □ Evaluate performance of task
- \Box Initiate corrective action when necessary
- □ Continued supervision and evaluation of tasks⁸

"Indirect supervision means the supervision of an unlicensed school staff member when the school nurse or other health provider is not physically available on site but immediately available by telephone."⁷

The <u>Decision Tree for Coordination and Oversight</u> outlines the steps school nurses should follow in planning for a student who requires medication, or specific nursing tasks in school. The school nurse is responsible for developing and revising the student's individualized healthcare plan (IHP) and for following the steps of the decision tree. The school nurse's responsibility includes assuring that USPs are not doing any "health counseling, teaching or any task that requires independent, specialized nursing knowledge, skill or judgment"⁸ according to <u>Maine State Board of Nursing, Rules Ch. 6.</u>

Considerations

- 1. Are the student's medical needs stable?
- 2. Does the task require nursing assessment?
- 3. Does the task require nursing judgment?
- 4. Does the task have a predictable outcome?
- 5. Is the task within the knowledge, skill, and ability of the USP?
- 6. Is there availability for ongoing supervision and evaluation?⁸



Diabetes mellitus (DM) is a group of diseases with pathology in glucose utilization due to beta cell destruction, insulin resistance, dysregulation of insulin release, or scarring of the pancreas.⁹ Glucose is the body's main source of energy. Insulin, produced in the pancreas, enables cell surfaces to allow glucose to enter the cells for utilization, or to store for later use. Without DM, the pancreas automatically produces the perfect amount of insulin directly related to food intake, stress, and activity. Without insulin, blood glucose levels rise to high levels, and left untreated will eventually cause excess glucose to be filtered and excreted from the kidneys as waste, in urine.¹⁰ This causes frequent urination and extreme thirst, which are often the first noticeable signs of diabetes and can lead to dehydration and weight loss.¹⁰ Over time, elevated glucose levels can lead to serious health problems such as <u>heart disease</u>, vision loss, and <u>kidney disease</u>.¹¹

Symptoms of type 1 diabetes can start quickly, in a matter of weeks while symptoms of type 2 develop slowly often taking several years.¹¹ Extended periods of hyperglycemia, even if not at critical levels, can lead to heart, kidney, nerve, and eye impairment.¹⁵ Often the symptoms of hyperglycemia fail to present until the blood glucose level is higher than 180mg/dl to 250mg/dl. Once blood glucose levels are high enough that the individual is feeling these symptoms, some damage has likely occurred.¹⁶

Type 1 Diabetes

Type 1 diabetes accounts for approximately 5-10% of people with diabetes.¹¹ Environmental or viral exposures may trigger an autoimmune reaction, causing the destruction and elimination of healthy cells in the pancreas, resulting in insulin deficiency and hyperglycemia.¹² Individuals with DM maintain homeostasis with proper nutrition, physical activity and supplemental insulin support.¹² Type 1 diabetes is usually diagnosed in children, teens, and young adults. The onset of symptoms develops quickly, and insulin levels may fluctuate in the early stages. Symptoms include increased thirst, dry mouth and skin, frequent urination and/or bedwetting, increased perspiration, hunger, fatigue, and blurred vision.¹¹ After diagnosis, some people go through a honeymoon phase after insulin therapy has begun while the pancreas has partial function. The decreased symptoms can last from a week to a year depending on the individual but will return and must be treated.¹³

Type 2 Diabetes

Type 2 diabetes is the result of the body's inability to utilize insulin properly. Historically type 2 diabetes has occurred primarily in adults, however, recently it is found more often in children, typically between the ages of 10-19.¹¹ Symptoms of the onset of type 2 diabetes mimic the symptoms of type 1 diabetes but do not develop as quickly.¹¹ The primary risk factor for developing type 2 diabetes is high body fat, as fat tissue contributes to insulin resistance.¹⁴ Other risk factors include family history, maternal gestational diabetes, inactivity, and some ethnicities.¹⁴ Appropriate treatment and lifestyle changes are important to avoid microvascular and macrovascular complications to the eyes, brain, heart, kidneys, feet, and nerves.^{11,1}



HIGH BLOOD SUGAR¹⁷

Hyperglycemia Causes

- Not enough insulin
- Pump malfunction
- Too much food
- Decreased activity
- Illness, infection, stress

What to do

- Check blood sugar if possible
- Check for ketones per roadmap, if possible
- Allow unrestricted fluids and bathroom use
- Call parents



Symptoms to watch for

Increased thirst

Increased urination

Fatigue

High blood sugar

Ketones in urine

If left untreated

Weakness, body aches, pain in abdomen

Heavy labored breathing

Loss of appetite, nausea, and vomiting

LOW BLOOD SUGAR

Hypoglycemia Causes

- Too much insulin
- Not enough food, delayed meal
- High activity

What to do

- Never leave student alone, escort to health office
- Check blood sugar level, and follow roadmap
- If unable to test, treat for low blood sugar
- If unconscious, do not give anything by mouth
- Give glucagon, turn on side and call 911



Hypoglycemia happens when circulating glucose in the bloodstream is low, not fueling the body and brain

effectively. Typically, 70 mg/dL or below should serve as an alert for hypoglycemia, although individuals experience symptoms at different levels.¹⁸ Signs and symptoms include looking pale, shakiness, sweating, headache, nausea, irregular heartbeat, irritability, difficulty concentrating, dizziness, and/or tingling of lips.¹⁸ Hypoglycemia needs immediate treatment which involves restoring the glucose levels in the body. The CDC suggests following the 15-15 rule if blood sugar is between 55-69mg/dl.¹⁹ If not treated quickly, the blood sugar levels can continue to drop causing worsening symptoms such as confusion, loss of coordination, slurred speech, tunnel vision, unresponsiveness, and seizures.¹⁸

15-15 Rule

For a blood glucose level between 55-69 mg/dL:

- Eat 15 grams of carbohydrates
- Recheck in 15 minutes



Glucagon

Glucagon is a hormone produced in the pancreas that the body utilizes to raise blood glucose when levels drop.²⁰ Individuals with type 1 diabetes have developed an inability to produce sufficient glucagon to regulate glucose levels, which can result in dangerously low glucose levels, a diabetic emergency, causing lack of consciousness, seizure, coma, and death.^{18, 20} Treatment for an individual that is unconscious or unable to swallow is available as a synthetic form of glucagon. This can be administered as an injection,

inhaled nasal dry powder, or nasal spray.²⁰ The nasal spray is the first choice for use in children lending to its ease of use and delivering the appropriate dose rapidly. Nausea and vomiting are common side effects of glucagon, to prevent aspiration the individual should be turned on side after administration, then call 911.²⁰ Glucagon is a lifesaving medication that can be administered in Maine schools, to include by trained UAP's.⁷ According to Chapter 40, this requires a local written policy that includes:

- Appropriate training, as outlined in Maine Guide to School Health Services: <u>2022 Medication</u> <u>Administration in Maine Schools: Evidence Based Guidelines</u>
- An Individualized Health Plan and Emergency plan indicating medications needed for management in school
- Current written request from parent/guardian, with understanding that glucagon may be administered by USP
- Current written order from the prescribing healthcare provider including the name of student, medication, dose, route and when to administer⁷

Updated 11/2022



Rescue Medicines for Diabetes: Glucagon

Glucagon is prescribed, and orders are written by the student's Endocrinologist or Healthcare provider for use in an emergency. The family will supply a dose to the school to be stored according to manufacturer's directions. The advancements in diabetes care have produced many ways that glucagon is packaged.²⁰

Glucagon & Other Emergency Glucose Products

The following are common kits which are injectable glucagon, a liquid that is introduced into powder, to be reconstituted and drawn up for injection.



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A convenient form of glucagon comes as a dry powder nasal spray (below). Each intranasal device contains only one dose of glucagon. DO NOT prime or test the device Glucagon (Nasal Route) Instructions for Use



Dasiglucagon (right) A next-generation ready to use glucagon analog recently approved for use.²¹





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Glucagon comes premixed ready to use in a syringe or pen form, as seen (below).





IMPORTANT INFORMATION FOR ALL SCHOOL STAFF

Please be advised that when blood sugar drops to low levels individuals may suffer severe confusion, visual disturbances, emotional dysregulation, appear fatigued, or experience an inability to communicate effectively.

For <u>any</u> student experiencing any of these symptoms:



CALL THE NURSE. DO NOT SEND THE STUDENT ALONE

If reasonable, consider beginning treatment for low blood sugar in the $classroom^{20}$

Maine Department of Education Hyperglycemia

Diabetic ketoacidosis (DKA) is a serious complication in people with type 1 diabetes that can be lifethreatening if left untreated. DKA happens when the body lacks sufficient insulin to allow glucose entrance into cells, leaving high amounts of glucose in the bloodstream. Without insulin, the body produces blood acids called ketones from the breakdown of fats for energy.^{20,22} The body's rapid production of ketones causes elevation of levels, that can eventually lead to diabetic ketoacidosis. Symptoms often develop slowly, however some individuals experience symptoms within 24 hours.²² Increased thirst and urination are often experienced first. If left untreated symptoms can progress quickly presenting as rapid breathing, fruity-smelling breath, headache, dry mouth and skin, flushed face, fatigue, nausea, vomiting, and abdominal pain.²² The main causes of DKA are illness, stress, and insufficient insulin. Treatment includes giving insulin, IV fluids, and very close monitoring of blood sugar levels and blood acid levels.²³

Insulin

The American Diabetes Association (ADA) recommends a target glucose range between 70-180 mg/dl more than 70% of the time, called time in range (TIR), with an A1C goal of less than 7%.²⁶ With DM, supplemental insulin is necessary to meet that goal. There are many different types of insulin mimicking the body's natural

response, with varying onset of action and duration. An individual without diabetes produces insulin and glucagon in response to activity, stress, illness and food intake to maintain a stable blood glucose level. The continuous secretion of insulin, can be referred to as the basal rate. Long acting insulin mimics the body's natural basal rate. When a meal is consumed the body secretes additional insulin, or a bolus. With diabetes, short acting insulin is given at mealtime, as a bolus.

It is important for the school nurse to understand the varying insulin types that a student may be using. The type of insulins used will be determined by a medical provider and specified in the students DMMP.²⁶





Insulin Pump Therapy and Continuous Glucose Monitor

Traditional management of capillary blood glucose testing, multiple daily injections of insulin, and manual corrections of high blood glucose levels have been replaced with a continuous glucose monitor (CGM) and rapid-acting insulins delivered via insulin pumps.^{24,25,26} A CGM system works through a tiny sensor inserted under the skin. Sensors may be inserted on the abdomen, arms, or the upper buttocks depending on age. The sensor measures the glucose levels within the interstitial fluid, rather than capillary blood, every few minutes and wirelessly transmits data to a monitor, or smartphone, for continuous readings.²⁶ The CGM device alerts the student when a blood glucose level requires immediate action.²⁰ and can be set up to alert the school nurse if she has a smart device that is connected to the CGM system. Alarms will be specified in the DMMP, in conjunction with parent preferences. Continuous remote monitoring of blood glucose by the school nurse may be warranted in students who are preschool age, are non-verbal, have impaired cognition, or have severe hypoglycemia unawareness.²⁸ Parents may supply a device to stay at school for monitoring, and have a discussion related to the option of data sharing. Local policy should prohibit school nurses and/or staff from utilizing personal devices. ADA Guidelines for the use of CGM and other sensors at school.

The insulin pump contains a cartridge of insulin and is programed to deliver a basal rate, or continuous dose of insulin through a tiny canula.²⁶ When additional insulin is necessary with meals or to correct high glucose levels a calculated dose, or bolus, is administered via the pump.²⁶ The combination of a CGM and an insulin pump can help avoid fluctuations and afford individuals, families, and school staff the ability to monitor and treat glucose levels in real-time, with alerts for predictive or actual highs or lows. Research has shown that continuous glucose monitoring is now the standard of care to help manage diabetes due to this ability to help maintain tight glucose control.²⁷

Communication between parent/guardian and the school nurse is ongoing. The parent is responsible for setting alerts and alarm parameters and discussing appropriate actions necessary to keep students' disruptions to a minimum, enhancing learning.

There are several different types of insulin pumps that will provide a continuous, or basal rate as well as corrections or bolus doses under the user's direction. Included on page 15 in the additional resources section is a list of common devices. With rapid changes in technology, it is important to research the specific insulin pump or CGM that your individual student has and become familiar with, for the most current information.







The school nurse must have a care plan for the student with diabetes that includes basic management, emergency management and situations specific for students who ride the bus or walk home. Decisions regarding parameters for riding the bus are controlled locally, in conjunction with physician orders, parental agreement and school administrative unit procedures.⁵ The following are some examples of resources:

NASN Diabetes Resources ADA Diabetes Medical Management Plan NIH Individualized Health Care Plan (IHP) NDEP Hyperglycemia Emergency Care Plan NDEP Hypoglycemia Emergency Care Plan



Training

The school nurse is accountable for the quality of health care he/she provides and for the coordination of training as well as oversight of unlicensed staff performing health tasks. The preparation of the health plan will help assure the quality of care. The nurse has the responsibility of counseling and coordinating with the student's parents, physician, student, teachers, transportation personnel and coaches to assure a safe learning environment.⁵

Diabetes Self-Management Education and Support Site Directory

ADA Find a Diabetes Education Program

NASN Type 1 Diabetes TOOLKIT

ADA Diabetes Care Tasks in School: Training



Considerations

As a school nurse it is important to have a thorough understanding of diversity, equity, and inclusion (DEI), and work towards health equity within the community by identifying racial discrimination and disparities that affect students' health and education.

Considerations include:

- Build relationships and collaborate
- Identify student and family needs
- Accept and celebrate different cultures
- Explore your personal biases and beliefs
- Validate student and family experiences





While teaching diabetes care, it is recommended to utilize resources provided by professional organizations, being sure to consider:

- Specific device information, safe handling, and contact information for support
- How to suspend pump, review history, charge or change batteries
- How to give a bolus with meal, a correction, or a combination
- When to check ketones
- When and how to call the school nurse, family, or healthcare provider²⁰



Technology is an asset in diabetes care. Technology includes insulin delivery methods, blood glucose monitoring, data sharing and the necessary components. Some thoughts to consider:

- Access to a CGM receiver
- Ability to keep receiver charged
- Access to a secure wireless network
- Capability of remote communication
- The potential complication of insulin pump failure



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 MiniMed[™] 630G, 670G, 770G MiniMed[™] 780G (pending FDA approval) 	 <u>User Guides and</u> <u>Manuals</u> <u>Medtronic MiniMed</u> <u>770G System</u>
• t:slimX2® with basal IQ or control IQ technology	 <u>User Guide for Control-</u> <u>IQ</u> <u>User Guide for Basal-IQ</u> <u>t:slim x2</u>
OmnipodOmnipod DASHOmnipod 5	 <u>Caregiver Guide</u> <u>Omnipod video</u>
Continuous Glucose Monitors	
 <u>Abbot Freestyle Libre</u> <u>Dexcom G6</u> <u>Eversense</u> <u>Guardian 3 - Medtronic's</u> Waveform Cascade 	
	 670G, 770G MiniMed[™] 780G (pending FDA approval) t:slimX2® with basal IQ or control IQ technology Omnipod Omnipod DASH Omnipod 5 Continuous Glucose Monitors <u>Abbot Freestyle Libre</u> <u>Dexcom G6</u> <u>Eversense</u> <u>Guardian 3 - Medtronic's</u>



Appendix A

Action for the School Nurse

Once it is identified that a student with diabetes will be attending school, this checklist may be a useful guide for the school nurse.

1. Gather data

- □ Obtain and review student's current diabetes plan from provider; here is a comprehensive plan provided by the ADA <u>Diabetes Medical Management Plan</u>
- Arrange conference with student and guardians
- Utilizing an intake assessment. An example that may be used can be found (Appendix C)
- □ Familiarize yourself with student's equipment
- □ Refer to the Maine Department of Education <u>Decision Tree for Coordination and Oversight</u>
- □ Review Maine law regarding diabetes in the school setting, <u>Safe at School State Laws</u>, <u>Maine</u>

2. Plan and implement training

- □ Identify all staff that will have contact with student, (teachers, coaches, PE instructor, lunchroom staff, and bus driver) and coordinate training. Find a Diabetes Education Program in Your Area
- □ Include those involved in the 504, IEP and other education plans
- □ After training has been completed, review roles in carrying out the plan, how roles relate, and when/where to seek help

3. Conduct assessment and develop plans for student

- □ Nursing assessment of student, utilizing input from parents/guardian, student, and provider
- □ Create an IHP to identify functional needs, establish goals, and delineate intervention for goals, NASN provides examples
- □ Create emergency plans to share with all staff, including substitute staff
- □ Create a transportation plan. An example that may be used is provided (Appendix G)
- □ Create emergency kits for disaster preparedness. An example that may be used is provided (Appendix B)
- Develop/implement student's 504 plan or IEP if indicated. Review ADA's Section 504 Plan

4. Facilitate school health team meeting

- □ Review individual plan of care
- □ Review emergency plan with all staff, including substitute staff
- □ Monitor compliance and understanding of plan
- □ Facilitate follow-up meetings to discuss concerns and updates, and evaluate for potential changes to plan of care



Appendix B

Diabetes Equipment and Emergency Supplies

Provided by Parent

Student:	DOB:					
School:	~ .					
Nurse to Complete: Date Form sent home _	Date Form returned to schoolInclude IHP					
copy with disaster supplies. Stored as follows	S					
Specify type of snacks: Daily Snacks (for AM/PM)	Glucose Meter Kit Brand/Model:					
•						
Extra Snacks (for before, after, and/or	(Includes meter, testing strips, lancing device with lancets,					
during exercise)	alcohol swab, gauze, spot bandage)					
 Low Blood Glucose Supplies (Provide item from selected category – 5-day supply preferable) Fast-acting carbohydrate drinks: (Apple juice and/or orange juice) Glucose tablets: 1-2 packages preferred Gummy bears Glucose gel products: 1-2 preferred Cakemate Gel TM:(not frosting), (19 gm., mini-purse size), 1-2 preferred Prepackaged snacks: (such as crackers with cheese or peanut butter) High Blood Glucose Supplies (Check those that apply) Ketone test strips/bottle or meter kit Urine cup Water bottle 	Insulin Supplies Insulin pen Pump cartridge Insulin and syringes Batteries Extra pump supplies, such as infusion set Tape Vial of insulin Syringes Insertion device Insulin supplies storage location: Emergency Supplies Glucagon kit stored: Expiration date of glucagon vial:					
Recommended 3-Day Disaster Diabetes Supp Vial of insulin; 6 syringes, or 	plies (Check those that apply)					
 Insulin pen with cartridge and needles Blood glucose testing kit (testing strips, 						
Glucose gel product and glucose tablets						
 Glucagon kit Food supply (include daily meal plan) stored as follows: 						
 Food supply (include daily mear plan) stored as follows: Ketone strips/plastic cup 						
 Pump supplies, as listed above 						
 Extra battery for pump 						
□ Other Supplies – specify:						
Parent Signature	Date					



Appendix C

School Nurse Intake Interview For a new student with diabetes

Name	_Date of Birth	Grade	Teacher	
Parent/Gaurdian	Ph	one	Work	
Diabetes Nurse Educator	Of	fice		
Endocrinologist	Pho	one	Fax	
Age of diagnosisType _	Last A1C	Next ap	ppointment	
Pertinent history (hospitalization,	DKA, glucagon use)		
<u>Transportation</u>			After School	
Parent or bus	-	Activities_		
Address	-	Training p	lan	
Duration of bus ride ampm	-	Address		
Training plan		Who will 1	esume care	
Notes	-	Phone nun	ıber	
Field trip recommendations		parent at	tendance yes no	
Communication Preferences				
Contact for non-emergent consulta	ition	rela	tionship	
Preferred method of communication	on call	_ text	email	
Emergency contact #1		phone		
Emergency contact #2		phone		

Notify parent that in an emergency when assistance is needed and emergency contacts are not reached, the healthcare provider will be contacted and if necessary 911 will be called.



Blood Glucose Monitoring	Insulin Delivery
Assistance required yes no	Assistance required yes no
Performed in	Performed in
Test times	Form of delivery
CGM Model	Injection penpump
Parameters HighLow	Pump Model
Reporting to parent daily weekly	Oral medications
calltextemail	

Diet

Snack time	lunch time	schoo	l or home lunch (circle one)
Assistance needed for dosin	ıg yes no	_ Insulin dosing b	before, after, or split (circle one)
Snacks stored	to	be eaten	
Special dietary needs			
Direction related to class pa	urties and treats		
Physical Education			
Scheduled time	blood glucose chec	k: yes no	before or after (circle one)
Snack requirements	b!	lood glucose param	eters for snack
Student participation for aft	er school sports		
Training plan			

EMERGENCY PLAN

lockdown, evacuation, shelter in place					
Parent supplied kits including sugar source, complex carbohydrate, and water in potential student					
locations					
ClassroomsArtMusicBandPELibraryOther					



Appendix D

Daily Glucose/Carbs/ Ketone Testing Log

Daily Blood Glucose Tests

Student Name:

Month:

	Time	Glucose	Carbs	Insulin	Time	Glucose	Carbs	Insulin	Time	Glucose	Carbs	Insulin	Notes
1													
2													
3													
4													
5													
6													
7													
8													
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23													
24													
25 26													
26													
27 28													
28 29													
29 30													
31													



Appendix E

Path to Successful Diabetes Self-Management ^{20,29}



intervene early

be consistent flexibile

be

trouble shoot in advance use technology & community resources

build confidence



Appendix G

Emergency Diabetes Plan for the School Bus Driver

		School Year		
				insert student picture if available
Name		Date of Birth	_GradeN	urse
Parent/Gau	urdian	Phone	W	ork
School		Phone	Transportation	phone
	Emergency cont	acts	Tra	ansportation
Name	Relationship	_ Phone		iver
Name	Relationship	_ Phone		
	an emergency when assista uardian and emergency co 911 will be call EMERGENCY	ntacts are not reached, ed.	Duration of bus ric	le ampm
1. ST	OP the bus.			
2. Wł	hen in doubt, treat for low b	lood sugar with	Low	Blood Sugar:
and 4. If s hav	ntact transportation departn d have them notify the paren student is not responsive, un ving a seizure CALL 911. a. Administer glucagon if b. Turn student on side, g vomiting. port incident to school and p	nt. hable to swallow or is f have been trained flucagon can induce	Hungry, shaky tired, dizzy concentrating	poglycemia y, sweating, headache, pale, y, lightheaded, difficulty g, appear agitated, irritable, onal, fast heartbeat



National Association of School Nurses (NASN). A Model For School Nurse-Led Case Management. May 2021. Accessed May 4, 2022. <u>https://cdn.fs.pathlms.com/6iqDwSasTdykzTomzwaG</u>

- 2. Connecticut State DOE. Guidelines for Blood Glucose Self-Monitoring in Connecticut Schools. Accessed May 4, 2022. https://portal.ct.gov/-/media/SDE/Publications/glucose/glucose_guidelines.pdf
- 3. American Diabetes Association. Know Your Rights Safe at School. Accessed May 5, 2022. https://www.diabetes.org/tools-support/know-your-rights/safe-at-school-state-laws).
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