

Name: \_\_\_\_\_ DOB: \_\_\_\_\_ Date: \_\_\_\_\_ School Year: \_\_\_\_\_ - \_\_\_\_\_

## Virginia Diabetes Medical Management Plan (DMMP) Adapted from the National Diabetes Education Program DMMP

This plan should be completed by the student's personal diabetes health care team, including the parents/guardians. It should be reviewed with relevant school staff and copies should be kept in a place that can be accessed easily by the school nurse, trained diabetes personnel, and other authorized personnel.

### Student information

Student's name:	Date of birth:
Date of diabetes diagnosis:	<input type="checkbox"/> Type 1 <input type="checkbox"/> Type 2 <input type="checkbox"/> Other:
School name:	School phone number:
Grade:	Homeroom teacher:
School nurse:	Phone:

### Contact information

<b>Parent/guardian 1</b>		
Address:		
Telephone: : Home: _____	Work: _____	Cell: _____
Email address:		

<b>Parent/guardian 2</b>		
Address:		
Telephone: : Home: _____	Work: _____	Cell: _____
Email address:		

<b>Student's physician / health care provider</b>	
Address:	
Telephone:	Emergency Number:
Email address:	

<b>Other Emergency Contact</b>	<b>Relationship to Student:</b>
Telephone: : Home: _____	Work: _____ Cell: _____
Email address:	

### Suggested Supplies to Bring to School

<ul style="list-style-type: none"> <li>• Glucose meter, testing strips, lancets, and batteries for the meter</li> <li>• Insulin(s), syringes, and/or insulin pen(s) and supplies</li> <li>• Insulin pump and supplies in case of failure: Reservoirs, sets, prep wipes, pump batteries / charging</li> </ul>	<ul style="list-style-type: none"> <li>• Treatment for low blood sugar (see page 4)</li> <li>• Protein containing snacks: such as granola bars</li> <li>• Emergency Medication Supplies</li> <li>• Antiseptic wipes or wet wipes</li> <li>• Water</li> <li>• Urine and/or blood ketone test strips and meter</li> <li>• Other medication</li> </ul>
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### Student's Self-care Skills

#### Blood Glucose:

- Independently checks own blood glucose
- May check blood glucose with supervision
- Requires school nurse or trained diabetes personnel to check blood glucose
- Uses a smartphone or other monitoring technology to track blood glucose values

#### Insulin Administration:

- Independently calculates / gives own injections
- May calculate / give own injections with direct supervision to confirm glucose and insulin dose
- Requires school nurse or trained diabetes personnel to calculate dose and student can give own injection with supervision
- Requires school nurse or trained diabetes personnel to calculate dose and give the injection

#### Nutrition:

- Independently counts carbohydrates
- May count carbohydrates with supervision
- Requires school nurse/trained diabetes personnel to count carbohydrates
- Parents'/Guardians' discretion for **special event/party food**
- Student discretion for **special event/party food**

### Parents / Guardians Authorization to Adjust Insulin Dose

Parents/guardians are authorized to increase or decrease correction dose scale within the following range: +/- _____ units of insulin.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Parents/guardians are authorized to increase or decrease insulin-to carbohydrate ratio from: _____ unit(s) for every _____ grams of carbohydrate <b>to</b> _____ unit(s) for every _____ grams of carbohydrate	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Parents/guardians are authorized to increase or decrease fixed insulin dose within the following range: +/- _____ units of insulin.	<input type="checkbox"/> Yes	<input type="checkbox"/> No

### Checking Blood Glucose

**Target Blood Glucose:**  Before Meal \_\_\_\_\_ - \_\_\_\_\_ mg / dL  Other \_\_\_\_\_ - \_\_\_\_\_ mg/dL

<input type="checkbox"/> Before breakfast	<input type="checkbox"/> Before lunch	<input type="checkbox"/> Before PE	<input type="checkbox"/> As needed for signs/symptoms of illness
<input checked="" type="checkbox"/> Before Dismissal	<input type="checkbox"/> Other times requested by parent/guardian: _____	<input type="checkbox"/> After PE	<input type="checkbox"/> As needed for signs/symptoms of high/low blood glucose

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### Continuous Glucose Monitoring (CGM)

Yes  No Brand/model: \_\_\_\_\_

Alarms set for:  Severe Low: \_\_\_\_\_  Low: \_\_\_\_\_  High: \_\_\_\_\_

Predictive alarm:  Rapid Fall: \_\_\_\_\_  Rapid Rise: \_\_\_\_\_

Student/School Personnel may use CGM for insulin calculation

if glucose reading between \_\_\_\_\_ - \_\_\_\_\_ mg/dL  Yes  No

Student/School Personnel may use CGM for hypoglycemia and hyperglycemia management  Yes  No

(Refer to Hypoglycemia and Hyperglycemia section of this document once confirmed)

### Additional information for student with CGM

- Insulin injections should be given at least three inches away from the CGM insertion site.
- Do not disconnect from the CGM for sports activities.
- If the adhesive is peeling, reinforce it with any medical adhesive or tape the parent / guardian has provided.
- If the CGM becomes dislodged, remove, and return everything to the parents/guardian. Do not throw anything away. Check glucose by finger stick until CGM is replaced / reinserted by parent/guardian or student.
- Refer to the manufacturer’s instructions on how to use the student’s device.
- Refer to VDC’s CGM Position Statement (<https://virginiadiabetes.org/diabetes-in-schools/>)

Student’s Self-care CGM Skills	Independent?	
The student is able to troubleshoot alarms and alerts	<input type="checkbox"/> Yes	<input type="checkbox"/> No
The student is able to adjust alarms.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
The student is able to calibrate the CGM.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
The student is able to respond when the CGM indicates a rapid trending rise or fall in the blood glucose level.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
School nurse or trained personnel notified if CGM alarms	<input type="checkbox"/> High	<input type="checkbox"/> Low
Other instructions for the school health team:		

### Physical activity and sports

A quick-acting source of glucose must be available at the site of physical education activities and sports.

Examples include glucose tabs, juice, glucose gel, gummies, skittles, starbursts, cake icing.

Student should eat:

Carbohydrate Amount	Before	Every 30 minutes	Every 60 minutes	After activity	Per Parent
15 grams	<input type="checkbox"/>				
30 grams	<input type="checkbox"/>				

If most recent blood glucose is less than \_\_\_\_\_ mg/dL, student can participate in physical activity when blood glucose is corrected and above \_\_\_\_\_ mg/dL.

Avoid physical activity when blood glucose is greater than \_\_\_\_\_ mg/dL

AND / OR if urine ketones are moderate to large / blood ketones are > 1.0 mmol/L

For insulin pump users: see “**Additional Information for Student with Insulin Pump**”, page 7”.

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## Hypoglycemia (Low Blood Glucose)

**Hypoglycemia:** Any blood glucose below \_\_\_\_\_ mg / dL checked by blood glucose meter or CGM.

**Student's usual symptoms of hypoglycemia (circled):**

Hunger	Sweating	Shakiness	Paleness	Dizziness
Confusion	Loss of coordination	Fatigue	Irritable/Anger	Crying
Headache	Inability to concentrate	Hypoglycemia Unawareness	Passing-out	Seizure

### Mild to Moderate Hypoglycemia:

Student is exhibiting symptoms of hypoglycemia AND / OR blood glucose level is less than \_\_\_\_\_ mg/dL

1. Give a fast-acting glucose product equal to \_\_\_\_\_ **grams fast-acting carbohydrate** such as: glucose tablets, juice, glucose gel, gummies, skittles, starbursts, cake icing
2. Recheck blood glucose in 15 minutes
3. If blood glucose level is less than \_\_\_\_\_, repeat treatment with \_\_\_\_\_ grams of fast-acting carbohydrates.
4. Consider providing a carbohydrate/protein snack once glucose returns to normal range, as per parent/guardian.
5. **Additional Treatment:**

### Severe Hypoglycemia:

Student is unable to eat or drink, is unconscious or unresponsive, or is having seizure activity or convulsions (jerking movement)

1. Position the student on his or her side to prevent choking

2. Administer emergency medication.

Injectable Route (Glucagon, Glucagen, Gvoke)	<u>OR</u>	Nasal route (Baqsimi)
Dose: <input type="checkbox"/> 1 mg <input type="checkbox"/> 0.5 mg		Dose: <input type="checkbox"/> 3 mg (Baqsimi brand)
Route: <input type="checkbox"/> Subcutaneous (SC) <input type="checkbox"/> Intramuscular (IM)		Route: <input type="checkbox"/> Intranasal (IN Baqsimi brand)
Site: <input type="checkbox"/> Buttocks <input type="checkbox"/> Arm <input type="checkbox"/> Thigh <input type="checkbox"/> Lower Abdomen		Site: <input type="checkbox"/> Nose (Baqsimi brand only)

3. **Call 911** (Emergency Medical Services)

- AND the student's parents / guardians.
- AND the health care provider.

4. **If on INSULIN PUMP, Stop insulin pump** by any of the following methods:

- Place pump in "suspend" or "stop mode" (See manufacturer's instructions)
- Disconnect pump at site

**ALWAYS** send pump with EMS to hospital

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## Hyperglycemia (High Blood Glucose)

**Hyperglycemia:** Any blood glucose above \_\_\_\_\_ mg/dL checked by blood glucose meter or CGM.

**Student's usual symptoms of hyperglycemia (circled):**

Extreme thirst	Frequent urination	Blurry Vision	Hunger	Headache
Nausea	Hyperactivity	Irritable	Dizziness	Stomach ache

### Insulin Correction Dose

For blood glucose greater than \_\_\_\_\_ mg/dL AND at least \_\_\_\_\_ hours since last insulin dose, give correction dose of insulin (see correction dose orders, refer to page 6).

Recheck blood glucose in \_\_\_\_\_ hours

Notify parents/guardians if blood glucose is over \_\_\_\_\_ mg/dL.

For insulin pump users: see "**Additional Information for Student with Insulin Pump**", refer to page 7".

### Ketones

Check  Urine for ketones OR  Blood for ketones:

If blood glucose is above \_\_\_\_\_ mg/ dL, two times in a row, at least one hour apart

AND / OR when student complains of nausea, vomiting or abdominal pain,

Give \_\_\_\_\_ ounces of water and allow unrestricted access to the bathroom

#### If urine ketones are negative to small OR blood ketones < 0.6 - 1.0 mmol/L:

1. If insulin has not been administered within \_\_\_\_\_ hours, provide correction insulin according to student's correction factor and target pre-meal blood glucose (refer to page 6)
2. Return student to his / her classroom
3. Recheck blood glucose and ketones in \_\_\_\_\_ hours after administering insulin

#### If urine ketones are moderate to large OR blood ketones > 1.0 mmol/L:

1. Do NOT allow student to participate in exercise
2. Call parent / guardian, If unable to reach parent / guardian, call health care provider
3. If insulin has not been administered within \_\_\_\_\_ hours, provide correction insulin according to student's correction factor and target blood glucose. (refer to page 6)
4. **IF ON INSULIN PUMP:** See "**Additional Information for Student with Insulin Pump**", refer to page 7

### HYPERGLYCEMIA EMERGENCY

**Presence of ketones associated with the following symptoms Call 911**

Chest pain	Nausea and vomiting	Severe abdominal pain
Heavy breathing or shortness of breath	Increasing sleepiness or lethargy	Depressed level of consciousness

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**Insulin therapy**     Insulin pen or Syringe     Insulin pump (refer to page 7)

Adjustable Bolus Insulin Therapy     Fixed Insulin Therapy     Long-Acting Insulin Therapy

**Adjustable Bolus Insulin Therapy:**  
 Apidra (glulisine), Novolog (aspart), Humalog (lispro), Fiasp (aspart), Admelog (lispro). Brands are interchangeable.

When to give insulin:	INSULIN to CARBOHYDRATE +	INSULIN to CARBOHYDRATE Only	Correction only
	Correction		
<i>Breakfast</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Lunch</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Snack AM</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Snack PM</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**INSULIN to CARBOHYDRATE Dose Calculation**

*Total Grams of Carbohydrate to Be Eaten* \_\_\_\_\_ X "A" Units of Insulin \_\_\_\_\_ = \_\_\_\_\_ *Units of Insulin*

"B" Insulin-to-Carbohydrate Ratio \_\_\_\_\_

	"A" Units of Insulin	"B" Insulin-to-Carbohydrate Ratio
<input type="checkbox"/> <i>Breakfast</i>	_____ unit of insulin	Per _____ gm of carbohydrate
<input type="checkbox"/> <i>Lunch</i>	_____ unit of insulin	Per _____ gm of carbohydrate
<input type="checkbox"/> <i>Snack AM</i>	_____ unit of insulin	Per _____ gm of carbohydrate
<input type="checkbox"/> <i>Snack PM</i>	_____ unit of insulin	Per _____ gm of carbohydrate

**CORRECTION Dose Calculation (For Elevated blood sugar and ≥ 3 hours since last insulin dose)**

*Current Blood Glucose – "C" Target Blood Glucose* \_\_\_\_\_ X "E" Units of insulin \_\_\_\_\_ = \_\_\_\_\_ *Units of Insulin*

"D" Correction Factor \_\_\_\_\_

"C" Target Blood Glucose	"D" Correction Factor	"E" Units of insulin
_____	_____	<input type="checkbox"/> 0.5 unit
		<input type="checkbox"/> 1.0 unit

**OR**

**CORRECTION Dose Scale ((For Elevated blood sugar and ≥ 3 hours since last insulin dose. Use instead of calculation above to determine insulin correction dose)**

Blood Glucose	Insulin Dose
_____ to _____ mg/dL	give _____ units
_____ to _____ mg/dL	give _____ units
_____ to _____ mg/dL	give _____ units
_____ to _____ mg/dL	give _____ units

**Fixed Insulin Therapy**

Name of insulin: \_\_\_\_\_

\_\_\_\_\_ Units of insulin given pre-breakfast daily     \_\_\_\_\_ Units of insulin given pre-lunch daily

\_\_\_\_\_ Units of insulin given pre-snack daily     Other: \_\_\_\_\_



## Authorization to Treat and Administer Medication in the School Setting as Required by Virginia Law

This Diabetes Medical Management Plan has been approved by the undersigned Health Care Provider.

It further authorizes schools to treat and administer medication as indicated by this plan and required by Virginia Law.

**Providers:**

My signature below provides authorization for the Virginia Diabetes Medical Management Plan contained herein. I understand that all treatments and procedures may be performed by the student, the school nurse, unlicensed trained designated school personnel, as allowed by school policy, state law or emergency services as outlined in this plan. I give permission to the school nurse and designated school personnel who have been trained to perform and carry out the diabetes care tasks for the student as outlined in the student’s Diabetes Medical Management Plan as ordered by the prescribing health care provider (Code of Virginia § 22.1-274).

**Parents:**

I also consent to the release of information contained in this Diabetes Medical Management Plan to all school staff members and other adults who have responsibility for my student and who may need to know this information to maintain my student’s health and safety. I also give permission to the school nurse or another qualified health care professional to contact my student’s diabetes health care providers.

I give permission to the student to carry with him/her and use supplies, including a reasonable and appropriate short-term supply of carbohydrates, an insulin pump, and equipment for immediate treatment of high and low blood glucose levels, and to self-check his/her own blood glucose levels on a school bus, on school property, and at a school-sponsored activity (Code of Virginia §22.1-274.01:1).

**SELF-CARRY**

*Parent authorization for student to self-administer insulin*  YES  NO

*Parent authorization for student to self-monitor blood glucose*  YES  NO

*Prescriber authorization for student to self-administer insulin*  YES  NO

*Prescriber authorization for student to self-monitor blood glucose*  YES  NO

**\*For self-carry: Provider and Parent must both agree to the statements above per** (Code of Virginia §22.1-274.01:1)

Parent / Guardian Name / Signature:	Date:
School representative Name / Signature:	Date:
Student’s Physician / Health Care Provider Name / Signature:	Date:

**References:**

- [https://www.virginiadiabetes.org/content.aspx?page\\_id=22&club\\_id=947464&module\\_id=327026](https://www.virginiadiabetes.org/content.aspx?page_id=22&club_id=947464&module_id=327026)
- <http://marylandpublicschools.org/about/Documents/DSFSS/SSSP/SHS/medforms/GuidanceDocumentMDiabetesMedicalManagePlanHCPOF.pdf>
- <http://www.diabetes.org/living-with-diabetes/parents-and-kids/diabetes-care-at-school/legal-protections/state-laws-and-policies.html>
- <http://www.diabetes.org/dmmp>
- A 504 Plan is separate from a DMMP form. See <http://www.diabetes.org/living-with-diabetes/parents-and-kids/diabetes-care-at-school/legal-protections/section-504.html> or <http://www.diabetes.org/living-with-diabetes/parents-and-kids/diabetes-care-at-school/written-care-plans/section-504-plan.html>
- VDC’s CGM Position Statement (<https://virginiadiabetes.org/diabetes-in-schools/>)