HEALTH CARE PROVIDER (HCP) ORD	ERS FOR STUDENTS WEARING AN INSULIN PUMP IN WASHINGTON SCHOOLS									
(must be renewed at beginning of each school year)										
STUDENT'S NAME Student's birthda	ieSchoolGrade									
Emergency numbers for parents (phone)	(cellular) (pager) P									
Doctor's phone number 206-987-2640 Emergency Medical Pager 206-987-2000 Other contacts,										
**** Children's Hospital Division of Endocrinology FAX #: 206-987-2720. ****										
Blood Glucose Target Range: Bas **Student to receive carbohydrate bolus	Child Lock on? ☐ YES ☐ NO Type of insulin in pump: therapy? ☐ 0-6 months ☐ 6-12 months ☐ 1-2 years ☐ 2+ years sal Rates and Boluses (Meals/Snacks/Corrections) programmed? ⊠Yes ☐ No eating**									
Correction Factor: unit for every	mg/dL above the Target Blood Glucose of: C									
Insulin – to – Carbohydrate Ratio:per	grams. O									
 INSULIN TIME" to accurately calculate insulin → □Parent/guardian authorized to increase Humalog/Novolog → □Parent/guardian authorized to increase → □Parent/guardian authorized to increase the following range: 1 unit per prescribed 	or decrease the prescribed Correction Factor by +/ mg/dL per 1 unit of E or decrease the TARGET Blood Glucose by +/ mg/dL. or decrease the Insulin – to – Carbohydrate Ratio within d grams of carbohydrate +/ grams of carbohydrate. A									
It is appropriate to request a new school form if changes fall outside these parameters.										
 Additional Pump Supplies that should be furnished by parent/guardian: Infusion Sets, Reservoirs Batteries Insulin Syringes/Insulin pen Other: 										
STUDENT'S PUMP SKILLS										
Skill Set	COMMENTS:									
1. TOTALLY INDEPENDENT CARE	YES NO to sign									
NEEDS HELP WITH: after 1. Counting cortect V/CO. NO. parent										
1. Counting carbs? 2. Giving correct Boluses for carbs eaten?	YES NO section									
2. Giving correct boluses for carbs edlerr?	L YES NO is filled									

BLOOD GLUCOSE MONITORING

3. Using Correction Bolus Feature?

5. Disconnect/Reconnecting pump if

4. Setting a temporary basal rate?

6. Preparing reservoir and tubing?

8. Giving injection with syringe/insulin pen

9. Recognizing signs/symptoms of site

10. Recognizing alarm and malfunction?

7. Inserting new infusion set?

needed?

if needed?

infection?

Blood Glucose traditionally monitored before every meal, bedtime and AS NEEDED.

Skill Set			COMMENTS:				
1. Student tests independently or	🗌 YES	🗌 NO					
2. Student needs verification of number by	🗌 YES	🗌 NO					
staff or							
3. Assist/Testing to be done by school nurse	🗌 YES	🗌 NO					
Blood sugar at which parent should be notified – low high							

NO

🗌 NO

🗌 NO

🗌 NO

YES

YES

YES

YES

☐ YES

□ YES

] YES

YES

out.

Last edited 6/6/2009./Seattle Children's Hospital/WA State HCP Orders - Insulin Pump Form

EXERCISE

Children frequently need 15 grams of carbohydrate for every 30 – 60 minutes of physical exertion/activity. These carbohydrates DO NOT require an insulin injection.

HYPERGLYCEMIA(high blood sugar)

Insulin pumps use rapid acting insulin <u>only</u>. IF insulin delivery is interrupted, THEN hyperglycemia and ketosis can develop *very* quickly! <u>Possible causes could be</u>:

- Empty insulin cartridge
- Kink in the cannula or the tubing
- Insulin that has lost it's potency or is expired
- The infusion set is inserted into scar tissue
- The infusion set is disconnected from the pump
- Insulin is not absorbing for unknown reason

Treatment for unexplained blood sugar > 300 mg/dL:

- Give correction bolus and retest in 1 hour.
- Test for ketones immediately
- Check the tubing for leaks, air bubbles, kinks and that it is connected/inserted properly.
- IF ketones are **MODERATE/LARGE** → Contact Parents immediately, so child can be sent home for treatment, following Seattle Children's Hospital "Sick Day Management" Guidelines. IF you are unable to reach the parent/guardian in a timely manner, THEN PAGE the diabetes nurse or doctor on call @ (206) 987-2000 or 1-866-987-2000.

IF blood sugar is not lower in 1 hour:

- THEN give another correction dose by injection (with a syringe or insulin pen), and change the infusion set.
- Change the infusion set

URINE KETONES

Test for ketones immediately any time there is an unexplained blood sugar greater than 300 mg/dL and/or any time there is illness. **IF urine ketones measure MODERATE or LARGE, parents need to be contacted and child needs to be sent home for treatment following Seattle Children's Hospital Sick Day Management Guidelines.**

HYPOGLYCEMIA (fill in individualized instructions on line or use those in parenthesis)

- Blood sugar < 80 and symptomatic _____ (juice, pop, candy) e.g. 4-6 ounces juice/pop
- Blood sugar < 100 and symptomatic _____ (crackers/cheese) 10-15 grams carb
- Blood sugar < 80 and asymptomatic _____ (juice, pop, candy) e.g. 4-6 ounces juice/pop
- Blood sugar > 100 and symptomatic (feed partial meal) 10-15 grams carb

Recheck Blood Glucose Levels after 15 minutes. If BG still < 80, then repeat treatment as above

IF low blood glucose recurs without explanation, notify parents for potential instructions to suspend insulin pump.

If Seizure or unconscious occurs:

- 1. Treat with ____ mg Glucagon IM injection AND/OR (phone 911) (Other orders) _____
- 2. STOP insulin pump by
 - Placing in suspend mode OR
 - Disconnecting tubing from Infusion site OR
 - Cut Tubing
- 3. NOTIFY PARENT
- 4. Send insulin pump with EMS to hospital.

PUMP MALFUNCTION

If an insulin pump should stop functioning, the child/young adult should utilize their **insulin – to – carbohydrate ratio(s) AND Correction ratio(s)** that were programmed in the pump to give bolus injections every 3-4 hours until a **Lantus Basal injection** can be given. The Lantus dose, once available, should be the total daily basal insulin delivered every 24 hours by the insulin pump. One should round DOWN to the nearest ½ unit. This **Basal dose of Lantus** can be repeated every 24 hours. The bolus insulin would be repeated at meals.

An insulin Dosage is only to be administered when confirmed by the school nurse, parent, PDA or healthcare provider! Please utilize dosing ratios listed above in "Insulin Pump Information" Section.

ADDITIONAL TIMES TO CONTACT PARENT

- Soreness or redness at infusion site
- Leakage of insulin from pump or infusion set

HCP		(print	t/type)		signature		_/	/ 2009	date
Parent		(pri	nt/type)		signatu	re	<u> </u>	d	ate
School Nurse		(pr	int/type)		signatu	ire	_/	/c	date
Start date:	_mo <u>_</u> day	r. <u>2009 y</u> r.	Termination date	day	_moy	r. or end	l of scho	ool year	2010

Edited 06-06-2009/ Children's Hospital and Regional Medical Center/WA State HCP Orders - Insulin Pump Form