HYPERglycemia-
HIGH Blood Glucose
HYPERglycemia=HIGH blood glucose

- HIGH blood glucose possible causes:
  - Not enough insulin
  - Too much food
  - Not enough activity
  - Illness, infection or stress
Onset:

- Usually slow onset - not an emergency
- More rapid with:
  - Pump failure/malfunction
  - Illness
  - Infection
- Can mimic flu-like symptoms
- Medical orders will specify signs and action to take

Greatest danger: may lead to Diabetic Ketoacidosis (DKA) if not treated
HYPERglycemia = HIGH blood glucose

- HYPERglycemia alone is not an emergency
- When accompanied with nausea, vomiting and/or ketones, it becomes an emergency. Call:
  - School nurse
  - Parent/guardian
- If unable to reach a parent or guardian, the school personnel should initiate contact with the prescriber or Emergency Medical Services (EMS or 9-1-1)
HYPERglycemia=HIGH blood glucose

Common Symptoms:

- Thirsty
- Blurred Vision
- Hunger
- Tired
- Frequent restroom breaks
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Other Symptoms:

- Headache
- Stomach pains
- Weight Loss
- Irritable
- Flushed Face
- Sleepiness/Fatigue
- Dry Mouth
- Nausea
- Confusion
- Labored breathing
- Profound weakness
- Unconscious
**HYPERglycemia=HIGH blood glucose**

**Treatment:**
Goal is to lower the blood glucose to target range by following the medical orders

- Verify by blood glucose check
- Check ketones
- Allow free use of restroom and access to drinking water
- Contact school nurse to discuss plan of action
- Administer insulin based on school nurse consult and medical orders
- Contact parent/guardian
- Recheck blood sugar per medical orders
- Document, noting any patterns or irregularities
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Risks and Complications of HYPERglycemia:

• Interferes with student’s ability to learn and participate in activities

• Serious, long-term complications develop when blood glucose levels remain above the target range over time

• Untreated hyperglycemia and ketones can lead to diabetic ketoacidosis (DKA) and potentially to coma or death
GO TO THE AMERICAN DIABETES ASSOCIATION
SAFE AT SCHOOLS VIDEO-CHAPTER 4
HYPERGLYCEMIA

at:
http://www.youtube.com/watch?v=i26P860R1A
U&list=PL3DE9DDE8EB2A2E56&index=5