



LeeAnna Anzaldi RN, BSN Anne McCann RN, CSN

February 23, 2019





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I have been a nurse since the year 2000. I started as a Certified Nurse assistant at a family practice office. Then went on to work at Lutheran General Hospital on their general pediatric floor often floating to their PICU and NICU. I worked a year at CDH in their Pediatric ER. I also volunteered my time and traveled to Guatemala as a post op nurse with a group of medical professionals. Now I love being a School Nurse in D303. I am also a mom to 2 boys one who is a Type 1 diabetic.

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I have been a nurse since 2013 and have been working in schools since that time. I started my career as a Direct Service Nurse at both Elgin and Bartlett High Schools before moving to the St. Charles School District, where I have worked at both the high school and elementary school levels. I have been a Certified Nurse since 2017 and love working with students and families to ensure academic success.



### **Parent/Nurse/Student Relationship**

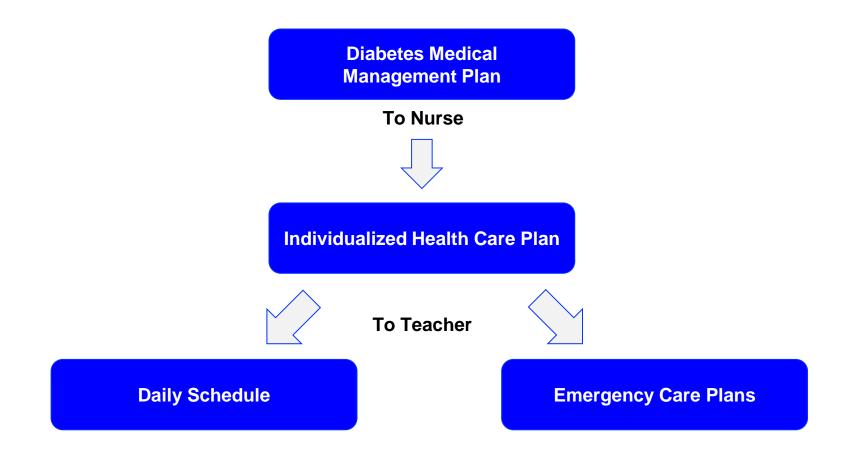
- Trust- The parents and student must trust their Nurse.
- Communication- There should always be open communication
- Mutual Respect



# **Tools for Effective Diabetes Management In Schools**

## **Tools Promoting Effective Diabetes Management**

- → Diabetic Orders/Diabetes Medical Management Plan (DMMP)
- → Individualized Health Plan (IHP)
- → Emergency Care Plans for Hypoglycemia and Hyperglycemia



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## Diabetes Medical Management Plan (MD orders)

- Prepared annually by student's Health Care Team
- Describes diabetes care routine/emergency
- Should be clear and detailed
- This is the basis for all health care
- Typical orders include information regarding:
  - Type of insulin/type of pump (if applicable)
  - Target BG /carb ratio/correction factor
  - Blood glucose monitoring when and how
  - Independence level of child
  - Safe ranges for PE/recess/physical activity
  - Rules for hyper- and hypoglycemia? Checking for ketones? Glucagon dose?
  - Parent and Emergency Contact info
  - Information regarding CGMs
  - Meal Plans/Disaster plans



## Individualized Health Care Plan

- Prepared by School Nurse is a nursing care plan
- How will DMMP be effectively implemented in school (assesses specific student and school environment)
- May include:
  - Snack/lunch time? PE? bus?
  - Carb calculations
  - Testing times/location
  - Plan for maintenance of target BG
  - Independent students management
  - Supply location/Emergency kits?
  - Field trips? Classroom parties? Snacks?
  - Communication with parents?
  - Trained Staff? Delegated Care Aides?

## **Daily Schedule**

- Developed by School Nurse in consultation with teacher
- Instructions and schedule regarding diabetes management for teacher to follow
  - When student needs to check blood sugar
  - When student goes to nurse
  - Where supplies are kept
  - Water/bathroom privileges

## **Emergency Care Plan**

- Developed by the School Nurse as a tool for school staff
- How to recognize and treat signs/symptoms of hypo- and hyperglycemia
  - What to do in an emergency? Severe lows/highs



# **Rights of Students with T1D**

### **Rights of the Student with T1D**

American with Disabilities Act

Provides clear and consistent guidelines protecting a person with a disability (including diabetes) from being discriminated against. Section 504 (Rehab. Act of 1973)

Prohibits discrimination on the basis of disability in programs/activities receiving federal funds from the U.S. Department of Education.

#### Individuals with Disabilities Education Act

Requires that a free, appropriate public education be provided to all eligible children with disabilities

Governs how states and public agencies provide early intervention, special education and related services

Setting	504	ADA	IDEA
Public School: Federally Funded	Yes	Yes:	Yes if the student qualifies for Special Education
NOT Federally Funded	No		
Private School: Federally Funded NOT Federally Funded	Yes	Yes	Yes if it is found that the child qualifies then proportionate services must be provided
Religious school	No	No	Yes if it is found that the child qualifies then proportionate services must be provided
Day Care: Federally Funded	Yes	Yes	Only if the day care is providing elementary educational
NOT Federally Funded	No		
Religious Day Care	No	No	No

### **Section 504**

#### What is a 504 "Plan"?

- Legally binding document that applies to publicly funded schools from early childhood through higher education
- Goal is to level the playing field for children with disabilities so that they have equal access to education
- It is a Civil Rights act
- Allows for reasonable accommodations and/or modifications to allow students with disabilities have equal opportunity to participate in school programs and activities (academic, non-academic and extra-curricular)
- It is not a modification to the curriculum NOT Special Education

### **Section 504**

#### Who is eligible?

- Law provides that students who have a physical or mental /impairment that substantially limits one or more major life activities, have a record of such an impairment, or are regarded as having such an impairment are eligible for a 504
- Eligibility is determined through a specific process by a team of school district/school employees
- Diabetes qualifies as a disability for Section 504 consideration

## **Individualized Education Plans (IEPs)**

### What are they?

- Educational plan designed for a child with at least one of the disabilities covered by the IDEA to address gaps in learning
- Provides for special education and/or related services to accommodate these students and to help them make progress toward identified goals
- Educational Law

### Should my child have one?

- Student must have one of the 13 disabilities identified in the Individuals with Disabilities Education Act (IDEA)
- Typically students with diabetes will only qualify for an IEP if has at least one other of these disabilities or if their condition so severely impacts their learning that they require supports to their educational program
- Team of school staff along with parents evaluate and determine eligibility





### **Parent Responsibilities**

- Inform school that your child has diabetes (if new to school)
- Meet with the Nurse before school starts to go over orders and daily schedule
- Set up 504 meeting
- Provide at least 2 emergency numbers
- Keep nurse updated on any changes in child's health status or medical orders
- Provide needed supplies for day to day care/Replenish when needed
- Communicate with nurse daily carb counts for lunch and snack
- Instruct nurse about pump
- Give access to CGM
- Inform appropropriate staff if your child is attending extra curricular activities

## **Supplies needed at School**

The parent is responsible in supplying the school with the supplies needed to take care of the student daily as well as replenishing them as needed.

- Blood Glucose Meter
- Test strips/lancets
- Ketone strips
- Insulin/syringes
- Alcohol wipes
- Extra batteries for pump and glucometer
- Snacks/juice
- Emergency kits
- Glucagon

## **Emergency Kits**

#### Lockdowns, Shelter in Place, Extreme Weather

- ★ Emergency Kits should be placed in all classrooms that your child will visit in a normal day.
- ★ Older kids can carry a backpack with emergency supplies
- ★ The kits should include
  - Extra blood glucose monitor
  - Extra lancets/test strips/batteries/ ketone strips
  - Glucagon
  - insulin/syringes
  - alcohol wipes
  - quick acting glucose (enough for 3 events)
  - carb filled snacks
  - water
  - pump supplies
  - information on Highs and Lows

### **Continuous Glucose Monitoring**

- Provide CGM access to nurse
- If your child uses the CGM readings to dose insulin it needs to be specified in the orders that the CGM can be used.
- Make sure that the device being used daily to monitor/transmit the data is charged/send an extra charger to school
- Make sure child knows that monitoring device is not to be used for any other reason but for the CGM at school.

## **Preschool/ Day Care Private School**

### **Private/Religious Schools**

- If a private school does not receive federal funding, then the 504 Act does NOT apply. If a private school DOES receive federal funding, then services provided at public school should be provided at the private school
- The ADA applies to all schools EXCEPT those run by religious institutions. If attending a religiously run institution, then parents and students are at the mercy of what the school wants to do, and the parent/child have little options. If the private school is NOT run by a religious institution, then ADA applies. Accomodations within reason must be applied.

## **Day Care**

- The laws that apply to children in the school setting also apply to children with diabetes in the day care setting.
- Day care centers (that are not religiously affiliated) can not legally deny your child the right to attend their day care.

# **Elementary School**

### **Elementary School**

#### **Expectation of Nurse**

#### Expectation in Classroom

#### Other

#### Total management

- Very Involved
- Nurse Still either does the finger pokes or oversees the student while they are doing the task
- · Watches the Dexcom in office
- Intervenes for every high and low
- · constant contact with parent
- informs staff of T1D
- involved in day to day care of the student
- informs parents of supplies being low.

#### Welcome Child into the classroom

- Allow child to explain to class about T1D
- Become aware of alarm sounds of dexcom
- Be aware of signs of Highs and lows
- Follow IHP and 504s
- NEVER send student to Health office alone when not feeling well
- Inform Health office/Parent of any planned field trips
- Make sure Substitute folder includes instructions for T1D care

#### Specials, Lunchroom, Bus Driver

- Be sure that they are informed about T1D and make sure they have extra emergency supplies
- PE -Safe range to participate
- Lunchroom: Discuss Hot lunches
- Bus Driver- Make sure they are aware of T1D
- allow student to eat snacks on bus
- Student should have a buddy that is responsible on the bus in case of an emergency.

## **MIDDLE SCHOOL**

## **Middle School**

#### In Middle School Students start to self manage.

- Orders need to state that child can self manage
  - Sit down with the Nurse at the beginning of the year to discuss
- They become an advocate for themselves
  - Have conversations with teachers about T1D and their care
  - Test taking
    - They should know to tell teachers if they are high or low during a test
  - They can decide where/when to test themselves
- Students carry their own supplies
  - no one but them/Nurse/ Diabetic care aid can touch their supplies unless it is an emergency
- Nurse still watches the dexcom and will intervene for highs and lows
- Parent/Nurse/Diabetic care aid will accompany child on a field trip

# **High School**

**J**DR**F** 

## **High School**

### In High School Students self manage.

- Orders need to state that child can self manage
  - Sit down with the Nurse at the beginning of the year to discuss
  - Testng before driving home
- They are advocate for themselves
  - Have conversations with teachers about T1D and their care
  - Test taking
    - Stop the clock/ extended time
  - They can decide where/when to test themselves
- Students carry their own supplies
  - no one but them can touch their supplies unless it is an emergency
- Nurse will watch the dexcom and will intervene only for lows
- Parent/Nurse will not accompany child on a field trip

Conclusion

# Communication

# Trust

# **Mutual Respect**











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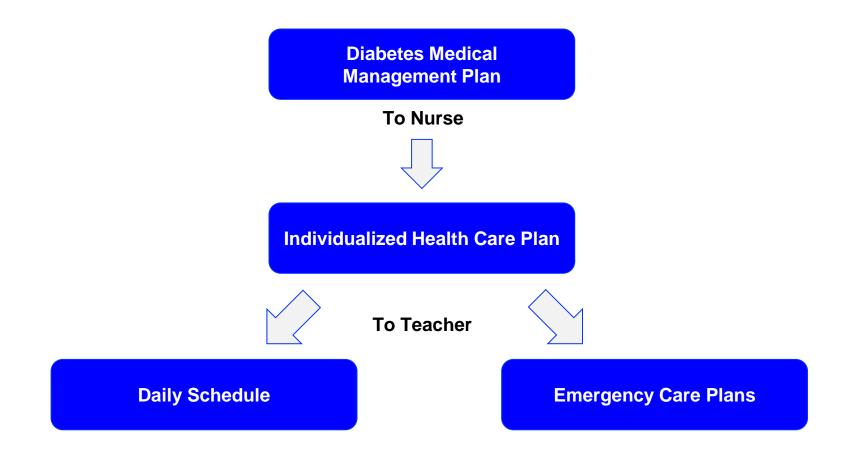
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- Eligibility is determined through a specific process by a team of school district/school employees
- Diabetes qualifies as a disability for Section 504 consideration

## **Individualized Education Plans (IEPs)**

#### What are they?

- Educational plan designed for a child with at least one of the disabilities covered by the IDEA to address gaps in learning
- Provides for special education and/or related services to accommodate these students and to help them make progress toward identified goals
- Educational Law

#### Should my child have one?

- Student must have one of the 13 disabilities identified in the Individuals with Disabilities Education Act (IDEA)
- Typically students with diabetes will only qualify for an IEP if has at least one other of these disabilities or if their condition so severely impacts their learning that they require supports to their educational program
- Team of school staff along with parents evaluate and determine eligibility





#### **Parent Responsibilities**

- Inform school that your child has diabetes (if new to school)
- Meet with the Nurse before school starts to go over orders and daily schedule
- Set up 504 meeting
- Provide at least 2 emergency numbers
- Keep nurse updated on any changes in child's health status or medical orders
- Provide needed supplies for day to day care/Replenish when needed
- Communicate with nurse daily carb counts for lunch and snack
- Instruct nurse about pump
- Give access to CGM
- Inform appropropriate staff if your child is attending extra curricular activities

## **Supplies needed at School**

The parent is responsible in supplying the school with the supplies needed to take care of the student daily as well as replenishing them as needed.

- Blood Glucose Meter
- Test strips/lancets
- Ketone strips
- Insulin/syringes
- Alcohol wipes
- Extra batteries for pump and glucometer
- Snacks/juice
- Emergency kits
- Glucagon

## **Emergency Kits**

#### Lockdowns, Shelter in Place, Extreme Weather

- ★ Emergency Kits should be placed in all classrooms that your child will visit in a normal day.
- ★ Older kids can carry a backpack with emergency supplies
- ★ The kits should include
  - Extra blood glucose monitor
  - Extra lancets/test strips/batteries/ ketone strips
  - Glucagon
  - insulin/syringes
  - alcohol wipes
  - quick acting glucose (enough for 3 events)
  - carb filled snacks
  - water
  - pump supplies
  - information on Highs and Lows

#### **Continuous Glucose Monitoring**

- Provide CGM access to nurse
- If your child uses the CGM readings to dose insulin it needs to be specified in the orders that the CGM can be used.
- Make sure that the device being used daily to monitor/transmit the data is charged/send an extra charger to school
- Make sure child knows that monitoring device is not to be used for any other reason but for the CGM at school.

## **Preschool/ Day Care Private School**

#### **Private/Religious Schools**

- If a private school does not receive federal funding, then the 504 Act does NOT apply. If a private school DOES receive federal funding, then services provided at public school should be provided at the private school
- The ADA applies to all schools EXCEPT those run by religious institutions. If attending a religiously run institution, then parents and students are at the mercy of what the school wants to do, and the parent/child have little options. If the private school is NOT run by a religious institution, then ADA applies. Accomodations within reason must be applied.

## **Day Care**

- The laws that apply to children in the school setting also apply to children with diabetes in the day care setting.
- Day care centers (that are not religiously affiliated) can not legally deny your child the right to attend their day care.

# **Elementary School**

#### **Elementary School**

#### **Expectation of Nurse**

#### Expectation in Classroom

#### Other

#### Total management

- Very Involved
- Nurse Still either does the finger pokes or oversees the student while they are doing the task
- · Watches the Dexcom in office
- Intervenes for every high and low
- · constant contact with parent
- informs staff of T1D
- involved in day to day care of the student
- informs parents of supplies being low.

#### Welcome Child into the classroom

- Allow child to explain to class about T1D
- Become aware of alarm sounds of dexcom
- Be aware of signs of Highs and lows
- Follow IHP and 504s
- NEVER send student to Health office alone when not feeling well
- Inform Health office/Parent of any planned field trips
- Make sure Substitute folder includes instructions for T1D care

#### Specials, Lunchroom, Bus Driver

- Be sure that they are informed about T1D and make sure they have extra emergency supplies
- PE -Safe range to participate
- Lunchroom: Discuss Hot lunches
- Bus Driver- Make sure they are aware of T1D
- allow student to eat snacks on bus
- Student should have a buddy that is responsible on the bus in case of an emergency.

## **MIDDLE SCHOOL**

## **Middle School**

#### In Middle School Students start to self manage.

- Orders need to state that child can self manage
  - Sit down with the Nurse at the beginning of the year to discuss
- They become an advocate for themselves
  - Have conversations with teachers about T1D and their care
  - Test taking
    - They should know to tell teachers if they are high or low during a test
  - They can decide where/when to test themselves
- Students carry their own supplies
  - no one but them/Nurse/ Diabetic care aid can touch their supplies unless it is an emergency
- Nurse still watches the dexcom and will intervene for highs and lows
- Parent/Nurse/Diabetic care aid will accompany child on a field trip

# **High School**

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## **High School**

#### In High School Students self manage.

- Orders need to state that child can self manage
  - Sit down with the Nurse at the beginning of the year to discuss
  - Testng before driving home
- They are advocate for themselves
  - Have conversations with teachers about T1D and their care
  - Test taking
    - Stop the clock/ extended time
  - They can decide where/when to test themselves
- Students carry their own supplies
  - no one but them can touch their supplies unless it is an emergency
- Nurse will watch the dexcom and will intervene only for lows
- Parent/Nurse will not accompany child on a field trip

Conclusion

# Communication

## Trust

## **Mutual Respect**







# THANK YOU

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