



Working Collaboratively to Address Diabetes Care Within Kentucky Schools

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Program



CDC Diabetes and Obesity Conference
Atlanta 2007

Years... School Concerns in Kentucky Related to Diabetes



Concerns are **not yet resolved** but we feel we are over the hurdle and on the right track to working collaboratively to address diabetes care in schools!



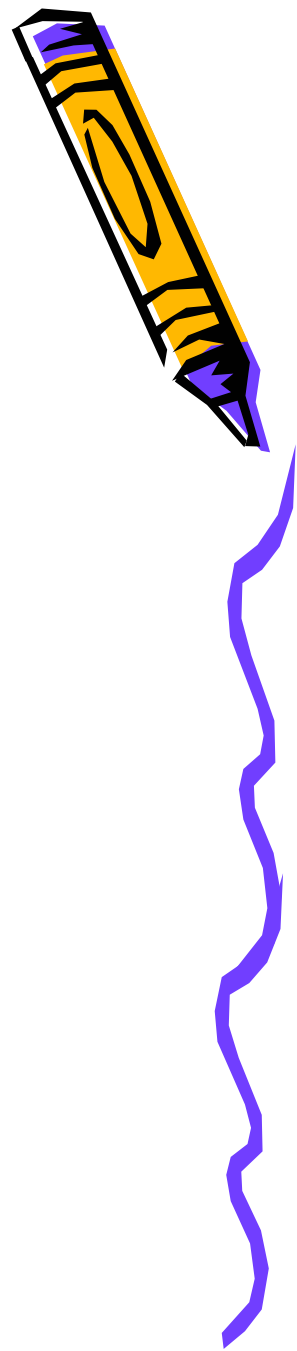
Kentucky Story...

Years Past...

- Multiple insulin injections and frequent blood glucose monitoring were not the norm - kids did not take injections or regularly test blood glucose while at school
- Children with diabetes were not routinely on insulin pumps if at all

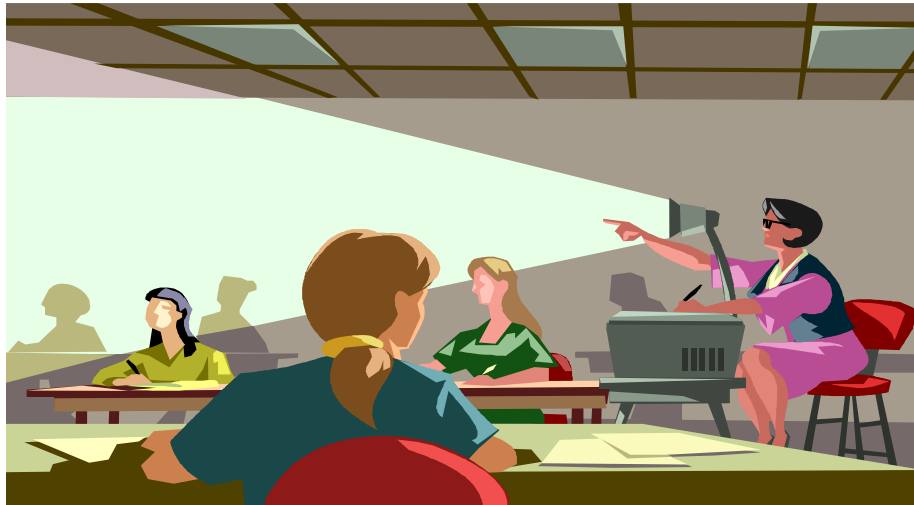


Carbohydrate counting was not the norm



Kentucky Story...

Diabetes educators would get requests to come into schools and teach staff about diabetes ---



Led to Questions...

KDPCP staff, school nurses, and others wrote letters to KY Board of Nursing (KBN) and the Department of Education regarding diabetes in schools issues such as to who could:

Test blood glucose levels

Administer glucagon injections

Administer insulin injections

Oversee Insulin Pumps

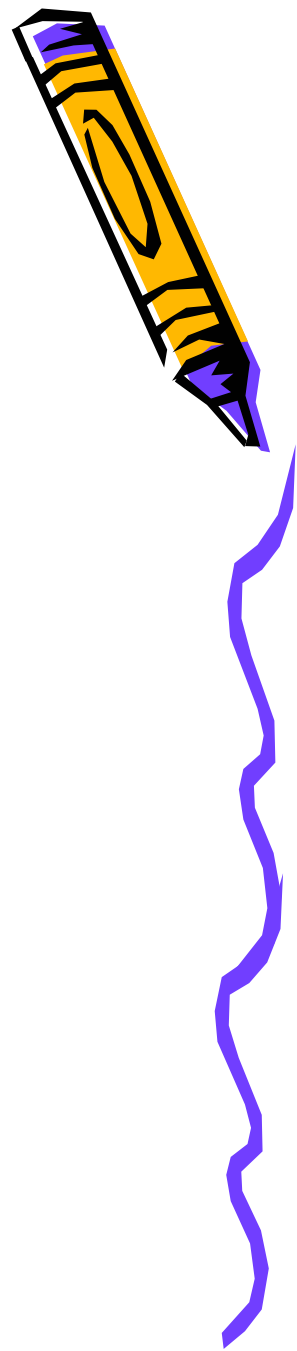
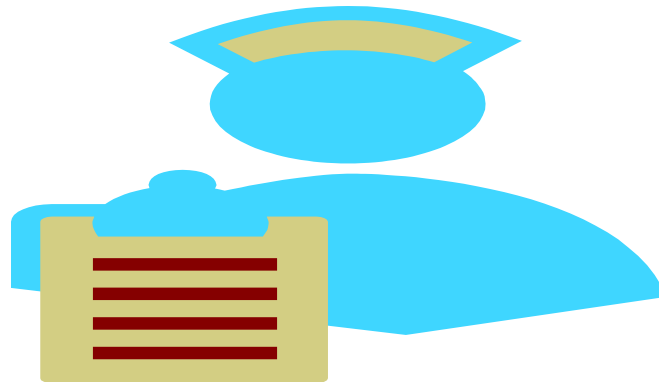
Oversee Carbohydrate Counting

Etc.



Results...

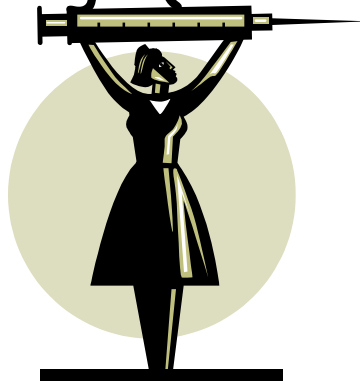
KY Board of Nursing (KBN) issued Advisory Opinion Statements regarding what could be delegated by nurses to unlicensed persons (including the school setting).



KY Board of Nursing (KBN) Feels...



- Public safety is the center of concern
- Intensive diabetes care is not an exact science nor is it simple - requires extensive knowledge, expertise, and judgments
- Teaching a family member is one thing - but when a person is employed to provide service - it becomes an issue of public safety, established trainings (allowed by law, etc.)



KY School Nurses Association (KSNA) Feels...

School nurses should be available in
all KY schools (with reasonable
student to nurses ratios) to
oversee diabetes care



Diabetes Advocates feel...

Needs of the children with diabetes should be met including today's intensive diabetes care practices which include multiple injections, blood glucose testing, medication adjustments, insulin pumps, carbohydrate counting, etc.



KBN Advisory Opinion Statements or responses to letters

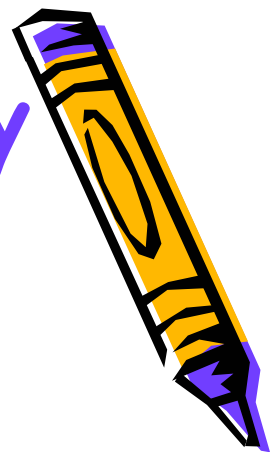
Blood glucose testing could be delegated;
however, decision making based upon results
could not

Insulin or glucagon injections (anything
injectable) could not be delegated (glucagon
later changed)

Oversight of insulin pumps and
carbohydrate counting could not
be delegated



As Intensive Diabetes Therapy Has Become More Common... Gaps Noted...



- Kentucky does not have school nurses in every school
- Even when there are school nurses --- they may be required to cover numerous schools
- Thus the advisory opinion statements need adaptation to work in today's diabetes treatment plans



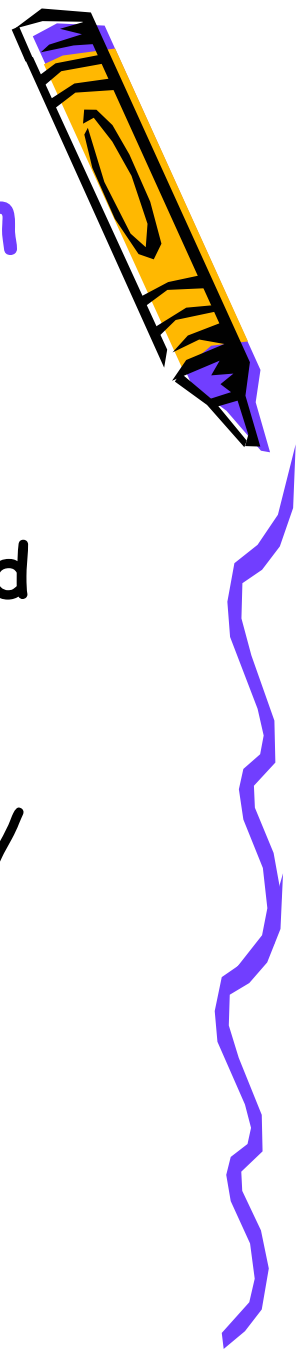
Diabetes School Dilemma Began to be Discussed at a More Intense Level...



- KY diabetes assessment and planning retreats held in 2004 and 2005 included representation from the KY Dept of Education, KY School Nurses Association, diabetes educators (including pediatric specialties), endocrinologists, KY BON, ADA, JDRF, universities, etc.
- An AADE Chapter (GLADE) held a "Diabetes in Schools" panel discussion with KBN, endocrinologists, diabetes educators, ADA, and others (Dec 2004)
- Discussions affirmed gaps between what children might need and what was readily available in schools



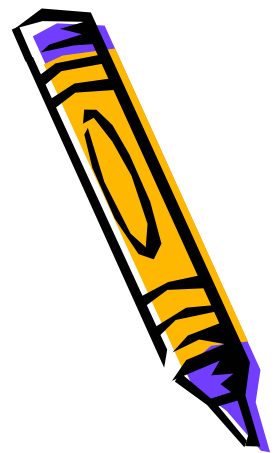
Request of KY Department for Public Health to Issue an Opinion



Collected information regarding what other states, ADA, KBN, National and State School Nurses Associations, KY Department of Education, and the US Dept. of Health and Human Services / NIH with CDC NDEP program allowed or recommended - regarding the same diabetes in schools issues



KDPCP Staff Developed Three Documents



Document # 1 Diabetes Care in Schools
Legislation by State (asked 3 questions) Data
from **ADA Website - 16 states listed**

- Is there a general law regarding diabetes in schools? **100% Yes**
- Does state law allow glucagon administration by unlicensed persons? **11 out of 16 were Yes**
- Does state law allow insulin administration by unlicensed persons? **3 out of 16 were Yes**



Diabetes Care in Schools Legislation

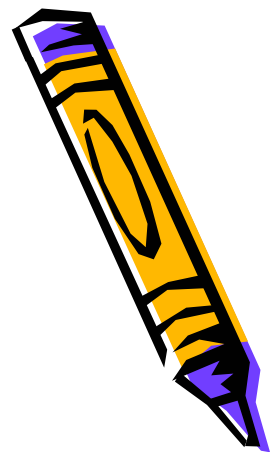


State email response by DPCP - 16 states listed

- Is there a general law regarding diabetes in schools? **5 out of 16 were Yes**
- Does state law allow glucagon administration by unlicensed persons? **6 out of 16 were Yes**
- Does state law allow insulin administration by unlicensed persons? **5 out of 16 were Yes**



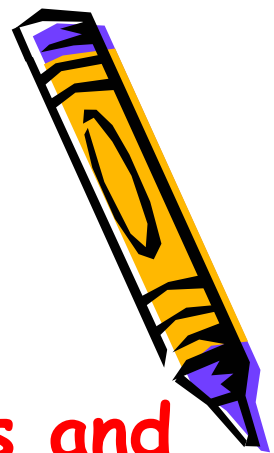
Document # 2 Opinions Regarding Allowance of Insulin Administration in a School Setting by Unlicensed Personnel



- **ADA** - Diabetes Care in the School and Day Care Setting from the Clinical Practice Guidelines 2006 and Safe at School Campaign
- **KY Board of Nursing** - KRS 314.011 to 314.021, advisory opinion statement #15, and #30, and KBN website Practice Summaries opinions



Document # 2 Opinions Regarding Allowance of Insulin Administration in a School Setting by Unlicensed Personnel



- National Association of School Nurses and the KY School Nurses Association
- Kentucky Department for Education
- US Dept. of Health and Human Services with the National Institute of Health, CDC, and NDEP (Helping the Student with Diabetes Succeed: A Guide for School Personnel)



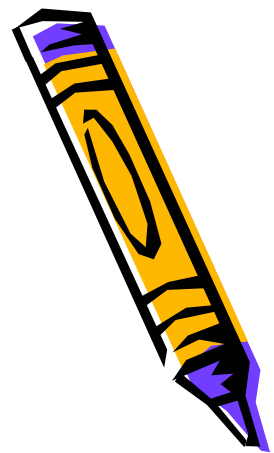
Document # 3 -- KY Dept for Public Health (KDPCP) Recommendation



Because care of children with diabetes in schools is an extremely complex issue involving a myriad of entities / organizations that continues to evoke passionate debate, the KDPCP recommends that the parties involved including KBN, KY Dept. of Education, KY School Nurses Association, KDPCP, pediatric endocrinologists, diabetes educators, ADA, JDRF, KY Licensure Board for Dietitians, etc. come together to decide upon the best course of action.



- All three documents were shared with the Board of Nursing and others
- Numerous articles were written in a statewide diabetes newsletter called the KY Diabetes Connection (~1000 diabetes educators, endocrinologists, and advocates on database)



Results...

Spring 2005 - from all efforts passage of a law that allowed glucagon to be injected by school staff and required at least one trained school employee be on duty to administer the medication in an emergency (given according to written established policies and procedures of the school system)



Led to...

- Further discussions with KBN and KY School Nurses Association
- In Spring 2006, advocacy regarding these issues led to KY legislators developing a KY School Health Resolution (including diabetes in school issues) - Legislative Research Commission to direct Joint Committee on Education to study how schools can effectively provide school based health services
- Resolution passed the House but not the Senate --- however entities continued to talk to improve diabetes care in schools

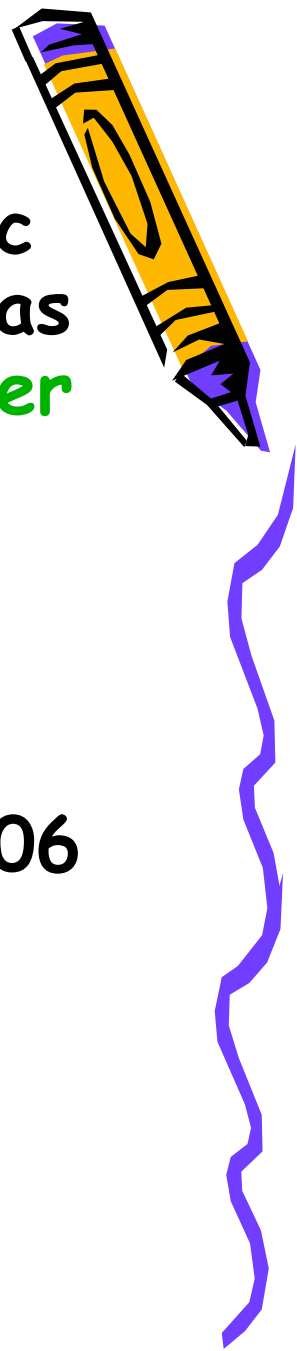


KDPCP staff and KDN Professional Educational Workgroup Began Working Closely With the KY School Nurses Association to:



- Assist in providing **diabetes trainings** called Helping Administer to the Needs of Students with Diabetes in Schools (HANDS) for KY school nurses
~ **110 attended in October, 2006**
- Organized the **diabetes exhibitors** for this training (insulin companies, meter companies, pump companies, etc.)
- Wrote **grant** for program and received **\$2500** from LILLY (offset costs of HANDS manual to be provided to the schools)

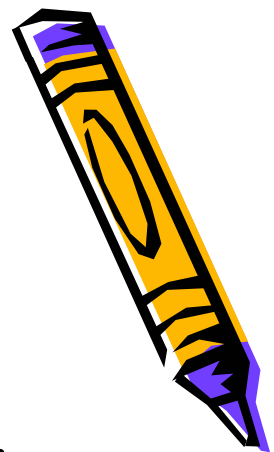




- **KY staff** (University of Kentucky pediatric endocrine group and a school nurse who has diabetes and wears a pump) became **master trainers for the National Association of School Nurses**
- Brought in National **American Diabetes Association presenter** to speak at fall 2006 annual KY diabetes educator workshop regarding diabetes in schools issues



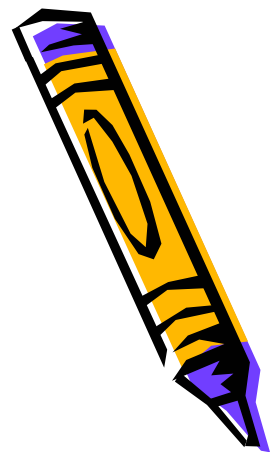
Continued Collaboration led to...



- KDPCP staff served on planning committee for spring school nurses program which **planned dual diabetes training programs**
- “HANDS” program repeated for those who did not attend the fall training (and KY Master trainers presented this) (**~140 attended March, 2007**)
- “Beyond HANDS” which focused on insulin pumps and carbohydrate counting with return demonstration (**~ 120 attended March, 2007**)



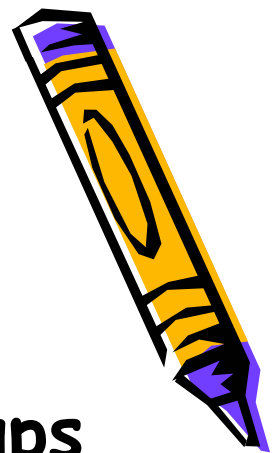
Continued Collaboration led to...



- **Free contact hours** offered to the KSNA
- Again **organized diabetes exhibitors** for the 2007 conferences (exhibited for KDPCP and KDN with numerous diabetes tools / resources shared)
- **Organized presentations from the KBN** to discuss what is currently allowed by law as well as plans for a task force development to review and make new recommendations regarding these issues



Outcomes...

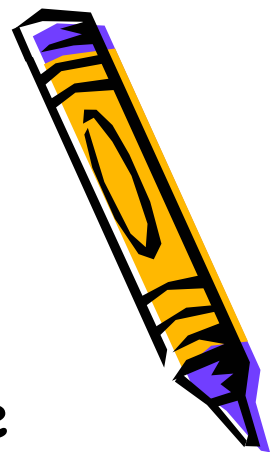


- KBN accepted and spoke to both groups
- Began process of developing task force to review and make recommendations regarding delegation issues
- Task Force will have two arms - one specific to school issues and the other for overall delegation issues (prisons, personal care homes, etc.)



Outcomes...

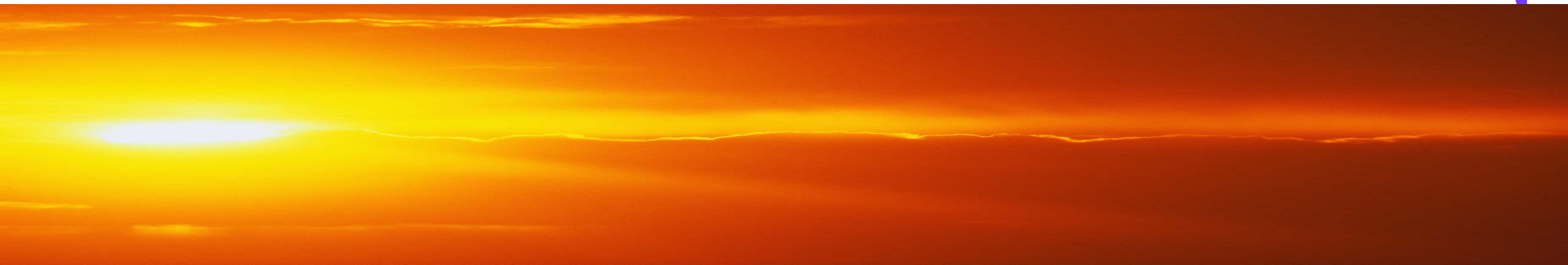
- KDPCP staff have been asked to be part of both task force groups being formed by the KBN
- In addition, the groups outlined within the KY Department for Public Health Opinion paper are also being asked to be part of the task force



Soon and very soon...



- Diabetes in schools stakeholders will be at the table talking and exploring possible solutions
- KY School Nurses Association with diabetes groups and advocates may be positioning themselves to request school nurses in every KY school (whereby non licensed persons at a school would have access at all times to a licensed nurse who is also the schools employee)
- Board of Nursing has mentioned the possible need to develop an intensive, consistent diabetes training / certification program for non licensed school personnel which would clarify what can and can't be delegated



Not There Yet...

On the trail to finding the right path to improved diabetes care in Kentucky schools

