

# HB2494

Measure Title: RELATING TO BLOOD GLUCOSE MONITORING.

Report Title: Blood Glucose Monitoring; Students; Diabetes

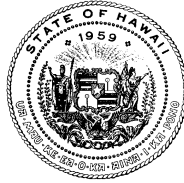
Description: Authorizes DOE employees to volunteer to administer or assist a student with blood glucose monitoring.

Companion: [SB2975](#)

Package: None

Current Referral: EDU, CPH

Introducer(s): TAKUMI



STATE OF HAWAII  
DEPARTMENT OF HEALTH  
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WRITTEN  
TESTIMONY ONLY

**Testimony in SUPPORT of HB 2494  
RELATING TO BLOOD GLUCOSE MONITORING**

SENATOR ROSALYN H. BAKER, CHAIR  
SENATE COMMITTEE ON COMMERCE, CONSUMER PROTECTION, AND HEALTH  
Hearing Date: March 30, 2016 Room Number: 229

1 **Fiscal Implications:** None to the Department of Health

2 **Department Testimony:** The Department supports HB 2494 and defers to the Department of  
3 Education (DOE) for issues on implementation. The purpose of this bill is to include blood  
4 glucose monitoring by the student and DOE employees and agents who volunteer to assist a  
5 student with blood glucose monitoring.

6 Public Health Nursing Branch currently provides education and training on proper administration  
7 of insulin and glucagon in the school setting. Students requiring diabetes care in the school  
8 setting are referred to a Department of Health public health nurse (PHN). The PHN completes a  
9 comprehensive assessment and develops an individual student diabetes plan. This plan, which is  
10 based on the students needs, may include education to school personnel on diabetes, blood sugar  
11 testing, insulin and glucagon administration, and emergency action plans for hyperglycemia or  
12 hypoglycemia. Training is based on the American Diabetes Association guidelines.

13 Thank you for the opportunity to provide testimony.

**From:** [LJ Duenas](#)  
**To:** [CPH Testimony](#)  
**Subject:** HB2494 - In Support  
**Date:** Friday, March 25, 2016 10:38:26 AM  
**Attachments:** [ADA Position Statement - Schools and Day Cares.pdf](#)

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Dear Honorable Sen. Rosalyn Baker and Sen. Michelle Kidani  
Senate Committee on Commerce, Consumer Protection, and Health  
Hawaii State Capitol

I write in strong support of HB2494 which clarifies the accommodations available to protect and keep our keiki with diabetes medically safe at school; allowing DOE employees to volunteer to administer or assist a student with blood glucose monitoring. I have attached the ADA's position statement re: diabetes care in schools and in the daycare setting for your review.

Further, many school employees are being told they are unable to volunteer due to liability concerns. This position appears to stem from a perception that certain activities that are normally associated with routine assistance to students with diabetes are not covered by Hawaii Revised Statutes (HRS) §302A-1164. While the language of that statute was never intended to be construed so strictly, HB2494 seeks to eliminate any such ambiguity by amending the statutory language to specially include those actions. Doing so will ensure that volunteers who provide diabetes care or assistance will be fully protected from liability under HRS §302A-1164(h).

If you have any questions, please do not hesitate to email me or call 503-752-9331.

Mahalo for your time!

Thank you,

**Lawrence Duenas, LJ | Associate Director**

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 **American Diabetes Association.**

# Diabetes Care in the School and Day Care Setting

AMERICAN DIABETES ASSOCIATION

**D**iabetes is one of the most common chronic diseases of childhood (1). There are ~215,000 individuals <20 years of age with diabetes in the U.S. (2). The majority of these young people attend school and/or some type of day care and need knowledgeable staff to provide a safe school environment. Both parents and the health care team should work together to provide school systems and day care providers with the information necessary to allow children with diabetes to participate fully and safely in the school experience (3,4).

## DIABETES AND THE LAW

—Federal laws that protect children with diabetes include Section 504 of the Rehabilitation Act of 1973 (5), the Individuals with Disabilities Education Act (originally the Education for All Handicapped Children Act of 1975) (6), and the Americans with Disabilities Act (7). Under these laws, diabetes has been considered to be a disability, and it is illegal for schools and/or day care centers to discriminate against children with disabilities. In addition, any school that receives federal funding or any facility considered open to the public must reasonably accommodate the special needs of children with diabetes. Indeed, federal law requires an individualized assessment of any child with diabetes. The required accommodations should be documented in a written plan developed under the applicable federal law such as a Section 504 Plan or Individualized Education Program (IEP). The needs of a student with diabetes should be provided for within the child's usual school setting with as little disruption to the school's and the child's routine as possible and allowing

the child full participation in all school activities (8,9).

Despite these protections, children in the school and day care setting still face discrimination. For example, some day care centers may refuse admission to children with diabetes, and children in the classroom may not be provided the assistance necessary to monitor blood glucose and administer insulin and may be prohibited from eating needed snacks. The American Diabetes Association works to ensure the safe and fair treatment of children with diabetes in the school and day care setting (10–15) ([www.diabetes.org/schooldiscrimination](http://www.diabetes.org/schooldiscrimination)).

## Diabetes care in schools

Appropriate diabetes care in the school and day care setting is necessary for the child's immediate safety, long-term well being, and optimal academic performance. The Diabetes Control and Complications Trial showed a significant link between blood glucose control and later development of diabetes complications, with improved glycemic control decreasing the risk of these complications (16,17). To achieve glycemic control, a child must check blood glucose frequently, monitor food intake, take medications, and engage in regular physical activity. Insulin is usually taken in multiple daily injections or through an infusion pump. Crucial to achieving glycemic control is an understanding of the effects of physical activity, nutrition therapy, and insulin on blood glucose levels.

To facilitate the appropriate care of the student with diabetes, the school nurse as well as other school and day care personnel must have an understanding of diabetes and must be trained in its management and in the treatment of diabetes

emergencies (3,18,19,20,34,36). Knowledgeable trained personnel are essential if the student is to avoid the immediate health risks of low blood glucose and to achieve the metabolic control required to decrease risks for later development of diabetes complications (3,20). Studies have shown that the majority of school personnel have an inadequate understanding of diabetes (21,22). Consequently, diabetes education must be targeted toward day care providers, teachers, and other school personnel who interact with the child, including school administrators, school nurses, coaches, health aides, bus drivers, secretaries, etc. (3,20). Current recommendations and up-to-date resources regarding appropriate care for children with diabetes in the school are universally available to all school personnel (3,23).

The purpose of this position statement is to provide recommendations for the management of children with diabetes in the school and day care setting.

## GENERAL GUIDELINES FOR THE CARE OF THE CHILD IN THE SCHOOL AND DAY CARE SETTING

### I. Diabetes medical management plan

An individualized Diabetes Medical Management Plan (DMMP) should be developed by the student's personal diabetes health care team with input from the parent/guardian. Inherent in this process are delineated responsibilities assumed by all parties, including the parent/guardian, the school personnel, and the student (3,24,25). These responsibilities are outlined in this position statement. In addition, the DMMP should be used as the basis for the development of written education plans such as the Section 504 Plan or the IEP. The DMMP should address the specific needs of the child and provide specific instructions for each of the following:

Originally approved 1998. Revised 2008.

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1. Blood glucose monitoring, including the frequency and circumstances requiring blood glucose checks, and use of continuous glucose monitoring if utilized.
2. Insulin administration (if necessary), including doses/injection times prescribed for specific blood glucose values and for carbohydrate intake, the storage of insulin, and, when appropriate, physician authorization of parent/guardian adjustments to insulin dosage.
3. Meals and snacks, including food content, amounts, and timing.
4. Symptoms and treatment of hypoglycemia (low blood glucose), including the administration of glucagon if recommended by the student's treating physician.
5. Symptoms and treatment of hyperglycemia (high blood glucose).
6. Checking for ketones and appropriate actions to take for abnormal ketone levels, if requested by the student's health care provider.
7. Participation in physical activity.
8. Emergency evacuation/school lockdown instructions.

A sample DMMP (<http://www.diabetes.org/uedocuments/DMMP-finalfor matted.pdf>) may be accessed online and customized for each individual student. For detailed information on the symptoms and treatment of hypoglycemia and hyperglycemia, refer to *Medical Management of Type 1 Diabetes* (26). A brief description of diabetes targeted to school and day care personnel is included in the APPENDIX; it may be helpful to include this information as an introduction to the DMMP.

## II. Responsibilities of the various care providers (3)

A. The parent/guardian should provide the school or day care provider with the following:

1. All materials, equipment, insulin, and other medication necessary for diabetes care tasks, including blood glucose monitoring, insulin administration (if needed), and urine or blood ketone monitoring. The parent/guardian is responsible for the maintenance of the blood glucose monitoring equipment (i.e., cleaning and performing controlled testing per the manufacturer's instructions) and must provide materials necessary

to ensure proper disposal of materials. A separate logbook should be kept at school with the diabetes supplies for the staff or student to record blood glucose and ketone results; blood glucose values should be transmitted to the parent/guardian for review as often as requested. Some students maintain a record of blood glucose results in meter memory rather than recording in a logbook, especially if the same meter is used at home and at school.

2. The DMMP completed and signed by the student's personal diabetes health care team.
3. Supplies to treat hypoglycemia, including a source of glucose and a glucagon emergency kit, if indicated in the DMMP.
4. Information about diabetes and the performance of diabetes-related tasks.
5. Emergency phone numbers for the parent/guardian and the diabetes health care team so that the school can contact these individuals with diabetes-related questions and/or during emergencies.
6. Information about the student's meal/snack schedule. The parent should work with the school during the teacher preparation period before the beginning of the school year or before the student returns to school after diagnosis to coordinate this schedule with that of the other students as closely as possible. For young children, instructions should be given for when food is provided during school parties and other activities.
7. In most locations, and increasingly, a signed release of confidentiality from the legal guardian will be required so that the health care team can communicate with the school. Copies should be retained both at the school and in the health care professionals' offices.

B. The school or day care provider should provide the following:

1. Opportunities for the appropriate level of ongoing training and diabetes education for the school nurse.
2. Training for school personnel as follows: level 1 training for all school staff members, which includes a basic overview of diabetes, typical needs of a student with diabetes, recognition of hypoglycemia and hyperglycemia, and who to contact for

help; level 2 training for school staff members who have responsibility for a student or students with diabetes, which includes all content from level 1 plus recognition and treatment of hypoglycemia and hyperglycemia and required accommodations for those students; and level 3 training for a small group of school staff members who will perform student-specific routine and emergency care tasks such as blood glucose monitoring, insulin administration, and glucagon administration when a school nurse is not available to perform these tasks and which will include level 1 and 2 training as well.

3. Immediate accessibility to the treatment of hypoglycemia by a knowledgeable adult. The student should remain supervised until appropriate treatment has been administered, and the treatment should be available as close to where the student is as possible.
4. Accessibility to scheduled insulin at times set out in the student's DMMP as well as immediate accessibility to treatment for hyperglycemia including insulin administration as set out by the student's DMMP.
5. A location in the school that provides privacy during blood glucose monitoring and insulin administration, if desired by the student and family, or permission for the student to check his or her blood glucose level and take appropriate action to treat hypoglycemia in the classroom or anywhere the student is in conjunction with a school activity, if indicated in the student's DMMP.
6. School nurse and back-up trained school personnel who can check blood glucose and ketones and administer insulin, glucagon, and other medications as indicated by the student's DMMP.
7. School nurse and back-up trained school personnel responsible for the student who will know the schedule of the student's meals and snacks and work with the parent/guardian to coordinate this schedule with that of the other students as closely as possible. This individual will also notify the parent/guardian in advance of any expected changes in the school schedule that affect the student's meal times or exercise routine and will remind young children of snack times.

**Table 1—Resources for teachers, child care providers, parents, and health professionals**

- Helping the Student with Diabetes Succeed: A Guide for School Personnel*. National Diabetes Education Program, 2003. Available at [http://www.ndep.nih.gov/Diabetes/pubs/Youth\\_SchoolGuide.pdf](http://www.ndep.nih.gov/Diabetes/pubs/Youth_SchoolGuide.pdf)
- Diabetes Care Tasks at School: What Key Personnel Need to Know*. Alexandria, VA, American Diabetes Association, 2008. Available online at <http://shopdiabetes.org/58-diabetes-care-tasks-at-school-what-key-personnel-need-to-know-2010-edition.aspx>.
- Your School & Your Rights: Protecting Children with Diabetes Against Discrimination in Schools and Day Care Centers*. Alexandria, VA, American Diabetes Association, 2005 (brochure). Available online at <http://www.diabetes.org/assets/pdfs/schools/your-school-your-right-2010.pdf>.\*
- Children with Diabetes: Information for School and Child Care Providers*. Alexandria, VA, American Diabetes Association, 2004 (brochure). Available at <http://shopdiabetes.org/42-children-with-diabetes-information-for-school-and-child-care-providers.aspx>.\*
- ADA's *Safe at School* campaign and information on how to keep children with diabetes safe at school. Call 1-800-DIABETES and go to [www.diabetes.org/living-with-diabetes/parents-and-kids/diabetes-care-at-school/safe-at-school](http://www.diabetes.org/living-with-diabetes/parents-and-kids/diabetes-care-at-school/safe-at-school)
- American Diabetes Association: *Complete Guide to Diabetes*. Alexandria, VA, American Diabetes Association, 2005. Available at <http://shopdiabetes.org/114-american-diabetes-association-complete-guide.aspx>.
- Raising a Child with Diabetes: A Guide for Parents*. Alexandria, VA, American Diabetes Association, 2000. Available at <http://shopdiabetes.org/137-ada-guide-to-raising-a-child-with-diabetes-2nd-edition.aspx>.
- Clarke W: Advocating for the child with diabetes. *Diabetes Spectrum* 12:230–236, 1999.
- School Discrimination Resources*. Alexandria, VA, American Diabetes Association, 2006. Available at [http://www.diabetes.org/living-with-diabetes/know-your-rights/discrimination/school-discrimination/\\*](http://www.diabetes.org/living-with-diabetes/know-your-rights/discrimination/school-discrimination/*)
- Every Day Wisdom: A Kit for Kids with Diabetes (and their parents)*. Alexandria, VA, American Diabetes Association, 2000. Available at <http://www.diabetes.org/living-with-diabetes/parents-and-kids/everyday-wisdom-kit.html>
- ADA's *Planet D*, on-line information for children and youth with diabetes. Accessible at <http://www.diabetes.org/living-with-diabetes/parents-and-kids/planet-d/>

\*Available in the American Diabetes Association's Education Discrimination Packet by calling 1-800-DIABETES.

8. Permission for self-sufficient and capable students to carry equipment, supplies, medication, and snacks; to perform diabetes management tasks; and to have cell phone access to reach parent/guardian and health care provider.
  9. Permission for the student to see the school nurse and other trained school personnel upon request.
  10. Permission for the student to eat a snack anywhere, including the classroom or the school bus, if necessary to prevent or treat hypoglycemia.
  11. Permission to miss school without consequences for illness and required medical appointments to monitor the student's diabetes management. This should be an excused absence with a doctor's note, if required by usual school policy.
  12. Permission for the student to use the restroom and have access to fluids (i.e., water) as necessary.
  13. An appropriate location for insulin and/or glucagon storage, if necessary.
  14. A plan for the disposal of sharps based upon an agreement with the student's family, local ordinances, and Universal Precaution Standards.
  15. Information on serving size and caloric, carbohydrate, and fat content of foods served in the school (27).
- The school nurse should be the key coordinator and provider of care and should coordinate the training of an adequate number of school personnel as specified above and ensure that if the school nurse is not present at least one adult is present who is trained to perform these procedures in a timely manner while the student is at school, on field trips, participating in school-sponsored extracurricular activities, and on transportation provided by the school or day care facility. This is needed in order to enable full participation in school activities (3,18,20). These school personnel need not be health care professionals (3,9,20,28,33,35).
- It is the school's responsibility to provide appropriate training of an adequate

number of school staff on diabetes-related tasks and in the treatment of diabetes emergencies. This training should be provided by the school nurse or another qualified health care professional with expertise in diabetes. Members of the student's diabetes health care team should provide school personnel and parents/guardians with educational materials from the American Diabetes Association and other sources targeted to school personnel and/or parents. Table 1 includes a listing of appropriate resources.

### III. Expectations of the student in diabetes care

Children and youth should be allowed to provide their own diabetes care at school to the extent that is appropriate based on the student's development and his or her experience with diabetes. The extent of the student's ability to participate in diabetes care should be agreed upon by the school personnel, the parent/guardian, and the health care team, as necessary. The ages at which children are able to perform self-care tasks are variable and depend on the individual, and a child's capabilities and willingness to provide self-care should be respected (18).

1. *Toddlers and preschool-aged children:* unable to perform diabetes tasks independently and will need an adult to provide all aspects of diabetes care. Many of these younger children will have difficulty in recognizing hypoglycemia, so it is important that school personnel are able to recognize and provide prompt treatment. However, children in this age range can usually determine which finger to prick, can choose an injection site, and are generally cooperative.
2. *Elementary school-aged children:* depending on the length of diagnosis and level of maturity, may be able to perform their own blood glucose checks, but usually will require supervision. Older elementary school-aged children are generally beginning to self-administer insulin with supervision and understand the effect of insulin, physical activity, and nutrition on blood glucose levels. Unless the child has hypoglycemic unawareness, he or she should usually be able to let an adult know when experiencing hypoglycemia.
3. *Middle school and high school-aged children:* usually able to provide self-care depending on the length of

diagnosis and level of maturity but will always need help when experiencing severe hypoglycemia. Independence in older children should be encouraged to enable the child to make his or her decisions about his or her own care.

Students' competence and capability for performing diabetes-related tasks are set out in the DMMP and then adapted to the school setting by the school health team and the parent/guardian. At all ages, individuals with diabetes may require help to perform a blood glucose check when the blood glucose is low. In addition, many individuals require a reminder to eat or drink during hypoglycemia and should not be left unsupervised until such treatment has taken place and the blood glucose value has returned to the normal range. Ultimately, each person with diabetes becomes responsible for all aspects of routine care, and it is important for school personnel to facilitate a student in reaching this goal. However, regardless of a student's ability to provide self-care, help will always be needed in the event of a diabetes emergency.

## MONITORING BLOOD GLUCOSE IN THE CLASSROOM

—It is best for a student with diabetes to monitor blood glucose levels and respond to the results as quickly and conveniently as possible. This is important to avoid medical problems being worsened by a delay in monitoring and treatment and to minimize educational problems caused by missing instruction in the classroom. Accordingly, as stated earlier, a student should be permitted to monitor his or her blood glucose level and take appropriate action to treat hypoglycemia and hyperglycemia in the classroom or anywhere the student is in conjunction with a school activity, if preferred by the student and indicated in the student's DMMP (3,24). However, some students desire privacy for blood glucose monitoring and other diabetes care tasks, and this preference should also be accommodated.

In summary, with proper planning and the education and training of school personnel, children and youth with diabetes can fully participate in the school experience. To this end, the family, the health care team, and the school should work together to ensure a safe learning environment.

## APPENDIX

### Background information on diabetes for school personnel (3)

Diabetes is a serious, chronic disease that impairs the body's ability to use food. Insulin, a hormone produced by the pancreas, helps the body convert food into energy. In people with diabetes, either the pancreas does not make insulin or the body cannot use insulin properly. Without insulin, the body's main energy source—glucose—cannot be used as fuel. Rather, glucose builds up in the blood. Over many years, high blood glucose levels can cause damage to the eyes, kidneys, nerves, heart, and blood vessels.

The majority of school-aged youth with diabetes have type 1 diabetes. People with type 1 diabetes do not produce insulin and must receive insulin through either injections or an insulin pump. Insulin taken in this manner does not cure diabetes and may cause the student's blood glucose level to become dangerously low. Type 2 diabetes, the most common form of the disease, typically afflicting obese adults, has been shown to be increasing in youth. This may be due to the increase in obesity and decrease in physical activity in young people. Students with type 2 diabetes may be able to control their disease through diet and exercise alone or may require oral medications and/or insulin injections. All people with type 1 and type 2 diabetes must carefully balance food, medications, and activity level to keep blood glucose levels as close to normal as possible.

Low blood glucose (hypoglycemia) is the most common immediate health problem for students with diabetes. It occurs when the body gets too much insulin, too little food, a delayed meal, or more than the usual amount of exercise. Symptoms of mild to moderate hypoglycemia include tremors, sweating, light-headedness, irritability, confusion, and drowsiness. In younger children other symptoms may include inattention, falling asleep at inappropriate times, unexplained behavior, and temper tantrums. A student with this degree of hypoglycemia will need to ingest carbohydrates promptly and may require assistance. Severe hypoglycemia, which is rare, may lead to unconsciousness and convulsions and can be life-threatening if not treated promptly with glucagon as per the student's DMMP (18,24,29,30,31).

High blood glucose (hyperglycemia) occurs when the body gets too little insulin, too much food, or too little exercise; it may also be caused by stress or an illness such as a cold. The most common symptoms of hyperglycemia are thirst, frequent urination, and blurry vision. If untreated over a period of days, hyperglycemia and insufficient insulin can lead to a serious condition called diabetic ketoacidosis (DKA), which is characterized by nausea, vomiting, and a high level of ketones in the blood and urine. For students using insulin infusion pumps, lack of insulin supply may lead to DKA more rapidly. DKA can be life-threatening and thus requires immediate medical attention (32).

**Acknowledgments**—The American Diabetes Association thanks the members of the health care professional volunteer writing group for this updated statement: William Clarke, MD; Larry C. Deeb, MD; Paula Jameson, MSN, ARNP, CDE; Francine Kaufman, MD; Georgeanna Klingensmith, MD; Desmond Schatz, MD; Janet H. Silverstein, MD; and Linda M. Siminerio, RN, PhD, CDE.

### References

1. American Diabetes Association: *American Diabetes Association Complete Guide to Diabetes*. 4th ed. Alexandria, VA, American Diabetes Association, 2008
2. Centers for Disease Control and Prevention: *National Diabetes Fact Sheet: National Estimates and General Information on Diabetes and Prediabetes in the United States, 2011*. Atlanta, GA, U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, 2011
3. National Diabetes Education Program: *Helping the Student with Diabetes Succeed: A Guide for School Personnel*. Bethesda, MD, National Institutes of Health (NIH publication no. 03-5127), 2003
4. Nabors L, Troillett A, Nash T, Masiulis B: School nurse perceptions of barriers and supports for children with diabetes. *J Sch Health* 75: 119–124, 2005
5. 504 of the Rehabilitation Act of 1973, 29 U.S.C. 794, implementing regulations at 35 CFR Part 104
6. Individuals with Disabilities Education Act, 20 U.S.C. 1400 et seq., implementing regulations at 34 CFR Part 300
7. Title II of the Americans with Disabilities Act of 1990, 42 U.S.C. 12134 et seq., implementing regulations at 28 CFR Part 35
8. Rapp J: Students with diabetes in schools. In *Inquiry & Analysis*. Alexandria, VA, National School Boards Association Council of School Attorneys, June 2005

9. Arent S, Kaufman F: Federal laws and diabetes management at school. *School Nurse News*, November 2004
10. *Jesi Stuthard and ADA v. Kindercare Learning Centers, Inc.* Case no. C2-96-0185 (USCD South Ohio 8/96)
11. *Calvin Davis and ADA v. LaPetite Academy, Inc.* Case no. CIV97-0083-PHX-SMM (USCD Arizona 1997)
12. Agreement, Loudoun County Public Schools (VA) and the Office for Civil Rights, United States Department of Education (Complaint nos. 11-99-1003, 11-99-1064, 11-99-1069, 1999)
13. *Henderson County (NC) Pub. Schls.*, Complaint no. 11-00-1008, 34 IDLER 43 (OCR 2000)
14. Rapp J, Arent S, Dimmick B, Jackson C: *Legal Rights of Students with Diabetes*. 2nd ed. Alexandria, VA, American Diabetes Association, October 2005, updated October 2009. Available from <http://www.diabetes.org/living-with-diabetes/know-your-rights/for-lawyers/education-materials-for-lawyers/legal-rights-of-students-with-diabetes.html>
15. Greene MA: Diabetes legal advocacy comes of age. *Diabetes Spectr* 19: 171–179, 2006
16. Diabetes Control and Complications Trial Research Group: Effect of intensive diabetes treatment on the development and progression of long-term complications in insulin-dependent diabetes mellitus. *N Engl J Med* 329: 977–986, 1993
17. Diabetes Control and Complications Trial Research Group: Effect of intensive diabetes treatment on the development and progression of long-term complications in adolescents with insulin-dependent diabetes mellitus. *J Pediatr* 125: 177–188, 1994
18. American Diabetes Association: Care of children and adolescents with type 1 diabetes (Position Statement). *Diabetes Care* 28: 186–212, 2005
19. Barrett JC, Goodwin DK, Kendrick O: Nursing, food service, and the child with diabetes. *J Sch Nurs* 18: 150–156, 2002
20. Jameson P: Developing diabetes training programs for school personnel. *School Nurse News*, September 2004
21. Wysocki T, Meinhold P, Cox DJ, Clarke WL: Survey of diabetes professionals regarding developmental changes in diabetes self-care. *Diabetes Care* 13: 65–68, 1990
22. Lindsey R, Jarrett L, Hillman K: Elementary schoolteachers' understanding of diabetes. *Diabetes Educ* 13: 312–314, 1987
23. American Diabetes Association: *Diabetes Care Tasks at School: What Key Personnel Need to Know*. Alexandria, VA, American Diabetes Association, 2008 (available online at [www.diabetes/schooltraining](http://www.diabetes/schooltraining))
24. Jameson P: Helping students with diabetes thrive in school. In *On the Cutting Edge, American Dietetic Association's Diabetes Care and Education Practice Group Newsletter*. Summer 2006, p. 26–29
25. Owen S: Pediatric pumps—barriers and breakthroughs. *Pediatric Pumps* 32 (Suppl. 1), January/February 2006
26. American Diabetes Association: *Medical Management of Type 1 Diabetes*. 5th ed. Alexandria, VA, American Diabetes Association, 2008
27. *Accommodating Children with Special Dietary Needs in the School Nutrition Program: Guidance for School Food Service Staff*. Washington, DC, U.S. Department of Agriculture Food and Nutrition Service, 2001
28. American Diabetes Association: Safe at School Campaign Statement of Principles endorsed by American Academy of Pediatrics, American Association of Clinical Endocrinologists, American Association of Diabetes Educators, American Diabetes Association, American Dietetic Association, Children with Diabetes, Disability Rights Education Defense Fund, Juvenile Diabetes Research Foundation, Lawson Wilkins Pediatric Endocrine Society, Pediatric Endocrine Nursing Society, Endocrine Society [article online]. Available from <http://www.diabetes.org/advocacy-and-legalresources/discrimination/safeatschoolprinciples.jsp>
29. Evert A: Managing hypoglycemia in the school setting. *School Nurse News*, November 2005
30. Bulsara MD, Holman CD, David EA, Jones TW: The impact of a decade of changing treatment on rates of severe hypoglycemia in a population-based cohort of children with type 1 diabetes. *Diabetes Care* 27: 2293–2298, 2004
31. Nabors L, Lehmkuhl H, Christos N, Andreone TF: Children with diabetes: perceptions of supports for self-management at school. *J Sch Health* 73: 216–221, 2003
32. Kaufman FR: Diabetes mellitus. *Pediatr Rev* 18: 383–392, 1997
33. Pediatric Endocrine Nursing Society: *Children With Diabetes at School*. September 2005. Available from the Pediatric Endocrinology Nursing Society, 7794 Grow Dr., Pensacola, FL 32514
34. Committee on School Health, American Academy of Pediatrics Policy Statement: Guidance for the administration of medication in school. *Pediatrics* 124: 1244–1251, 2009
35. Hellems MA, Clarke WL: Safe at school: a Virginia experience. *Diabetes Care* 30: 1396–1398, 2007
36. American Medical Association: Report 4 of the Council on Science and Public Health (A-08): *Ensuring the Best In-School Care for Children with Diabetes* [article online], June 2008. Available at <http://www.ama-assn.org/ama/pub/category/18643.html>



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**Date:** Monday, March 28, 2016 10:59:27 AM

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**HB2494**

Submitted on: 3/28/2016

Testimony for CPH on Mar 30, 2016 10:00AM in Conference Room 229

Submitted By	Organization	Testifier Position	Present at Hearing
joan kutzer	Hawaii Nurses Association OPEIU local 50	Support	No

Comments:

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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**From:** [Ashley Buckley](#)  
**To:** [CPH Testimony](#)  
**Subject:** Testimony In Support of HB2494  
**Date:** Friday, March 25, 2016 3:15:09 PM  
**Attachments:** [image001.png](#)

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Dear Honorable Sen. Rosalyn Baker and Sen. Michelle Kidani  
Senate Committee on Commerce, Consumer Protection, and Health  
Hawaii State Capitol

I write in strong support of HB2494 which clarifies the accommodations available to protect and keep our keiki with diabetes medically safe at school; allowing DOE employees to volunteer to administer or assist a student with blood glucose monitoring.

Further, many school employees are being told they are unable to volunteer due to liability concerns. This position appears to stem from a perception that certain activities that are normally associated with routine assistance to students with diabetes are not covered by Hawaii Revised Statutes (HRS) §302A-1164. While the language of that statute was never intended to be construed so strictly, HB2494 seeks to eliminate any such ambiguity by amending the statutory language to specially include those actions. Doing so will ensure that volunteers who provide diabetes care or assistance will be fully protected from liability under HRS §302A-1164(h).

If you have any questions, please do not hesitate to email me. The ADA Hawaii Office is also available for any questions at (808) 947-5979.

Mahalo for your time!

Ashley Buckley  
2113 Lime Street,  
Honolulu, Hawaii 96826

**Ashley Buckley**  
**Step Out: Walk to Stop Diabetes Event Coordinator Intern**  
**American Diabetes Association**

Pioneer Plaza  
900 Fort Street Mall, Suite 940  
Honolulu, Hawaii 96813  
[\(808\) 947-5979](tel:(808)947-5979)  
[\(808\) 546-7502](tel:(808)546-7502) Fax  
[abuckley@diabetes.org](mailto:abuckley@diabetes.org)

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**STEP**  
**OUT** | **WALK**  
TO STOP DIABETES®

 American Diabetes Association.

**From:** [Christina DeRamos](#)  
**To:** [CPH Testimony](#)  
**Subject:** Testimony In Support of HB2494  
**Date:** Friday, March 25, 2016 11:48:05 AM

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Dear Honorable Sen. Rosalyn Baker and Sen. Michelle Kidani  
Senate Committee on Commerce, Consumer Protection, and Health  
Hawaii State Capitol

I write in strong support of HB2494 which clarifies the accommodations available to protect and keep our keiki with diabetes medically safe at school; allowing DOE employees to volunteer to administer or assist a student with blood glucose monitoring.

Further, many school employees are being told they are unable to volunteer due to liability concerns. This position appears to stem from a perception that certain activities that are normally associated with routine assistance to students with diabetes are not covered by Hawaii Revised Statutes (HRS) §302A-1164. While the language of that statute was never intended to be construed so strictly, HB2494 seeks to eliminate any such ambiguity by amending the statutory language to specially include those actions. Doing so will ensure that volunteers who provide diabetes care or assistance will be fully protected from liability under HRS §302A-1164(h).

If you have any questions, please do not hesitate to email me. The ADA Hawaii Office is also available for any questions at [\(808\) 947-5979](tel:8089475979).

Mahalo for your time!

**Christina DeRamos**  
**94-383 Punono St**  
**Mililani HI 96789**  
Sent from Chrissy D's iPhone

**From:** [EFOX \(Eddie Fox\)](#)  
**To:** [CPH Testimony](#)  
**Subject:** Testimony In Support of HB2494  
**Date:** Friday, March 25, 2016 10:41:44 AM

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Dear Honorable Sen. Rosalyn Baker and Sen. Michelle Kidani  
Senate Committee on Commerce, Consumer Protection, and Health  
Hawaii State Capitol

I write to strongly support HB2494 which clarifies the accommodations available to protect and keep our children with diabetes medically safe at school; allowing DOE employees to volunteer to administer or assist a student with blood glucose monitoring.

Further, many school employees are being told they are unable to volunteer due to liability concerns. This position appears to stem from a perception that certain activities that are normally associated with routine assistance to students with diabetes are not covered by Hawaii Revised Statutes (HRS) §302A-1164. While the language of that statute was never intended to be construed so strictly, HB2494 seeks to eliminate any such ambiguity by amending the statutory language to specially include those actions. Doing so will ensure that volunteers who provide diabetes care or assistance will be fully protected from liability under HRS §302A-1164(h).

If you have any questions, please do not hesitate to email me. The ADA Hawaii Office is also available for any questions at (808) 947-5979.

Thanks,  
Eddie Fox

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**Eddie Fox**  
District Business Manager - Hawaii  
91-1025 Kaikoele Street  
Ewa Beach, HI 96706  
808-927-0253 (direct)  
[efox@novonordisk.com](mailto:efox@novonordisk.com)

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**From:** [Ellie Ventula-Honda](#)  
**To:** [CPH Testimony](#)  
**Subject:** Testimony in Support of HB2494  
**Date:** Monday, March 28, 2016 11:45:56 AM

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Dear Honorable Sen. Rosalyn Baker and Sen. Michelle Kidani  
Senate Committee on Commerce, Consumer Protection, and Health  
Hawaii State Capitol

I write in strong support of HB2494 which clarifies the accommodations available to protect and keep our keiki with diabetes medically safe at school; allowing DOE employees to volunteer to administer or assist a student with blood glucose monitoring.

Further, many school employees are being told they are unable to volunteer due to liability concerns. This position appears to stem from a perception that certain activities that are normally associated with routine assistance to students with diabetes are not covered by Hawaii Revised Statutes (HRS) §302A-1164. While the language of that statute was never intended to be construed so strictly, HB2494 seeks to eliminate any such ambiguity by amending the statutory language to specially include those actions. Doing so will ensure that volunteers who provide diabetes care or assistance will be fully protected from liability under HRS §302A-1164(h).

If you have any questions, please do not hesitate to email me. The ADA Hawaii Office is also available for any questions at (808) 947-5979.

Mahalo for your time!

**Ellie Ventula-Honda**  
900 Fort Street Mall, Suite 940  
Honolulu, Hawaii 96813

**From:** [gregory swartz](#)  
**To:** [CPH Testimony](#)  
**Subject:** Testimony on HB2494 Scheduled for Decision Making on March 30, 2016  
**Date:** Friday, March 25, 2016 7:23:20 PM

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I support HB2494. However, the volunteer DOE employees still must receive basic training in blood glucose testing, including how to prepare for a test and hopefully how to give an insulin injection. You wouldn't believe how many CPAs and foreign nurses I've run into who don't know how to do either. I 'm diabetic and I didn't know how to do either until I began injecting insulin.

Sincerely yours,

Gregory J. Swartz  
38 South Judd Street 4B  
Honolulu, HI 96817  
[swartzg001@hawaii.rr.com](mailto:swartzg001@hawaii.rr.com)

**From:** [mailinglist@capitol.hawaii.gov](mailto:mailinglist@capitol.hawaii.gov)  
**To:** [CPH Testimony](#)  
**Cc:** [KATHY@NAVATEKLTD.COM](mailto:KATHY@NAVATEKLTD.COM)  
**Subject:** Submitted testimony for HB2494 on Mar 30, 2016 10:00AM  
**Date:** Friday, March 25, 2016 1:13:15 PM

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**HB2494**

Submitted on: 3/25/2016

Testimony for CPH on Mar 30, 2016 10:00AM in Conference Room 229

Submitted By	Organization	Testifier Position	Present at Hearing
KATHY LOUI-YASUI	Individual	Support	No

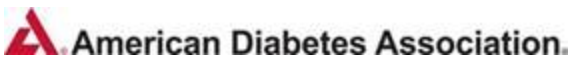
Comments: I write in strong support of HB2494 which clarifies the accommodations available to protect and keep our keiki with diabetes medically safe at school; allowing DOE employees to volunteer to administer or assist a student with blood glucose monitoring.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

Do not reply to this email. This inbox is not monitored. For assistance please email [webmaster@capitol.hawaii.gov](mailto:webmaster@capitol.hawaii.gov)

**From:** [Leslie Lam](#)  
**To:** [CPH Testimony](#)  
**Subject:** Testimony In Support of HB2494  
**Date:** Monday, March 28, 2016 10:58:17 AM

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Senator Rosalyn H. Baker, Chair  
Senator Michelle N. Kidani, Vice Chair  
Senate Committee on Commerce, Consumer Protection, and Health  
Hawaii State Capitol

Dear Honorable Senator Rosalyn Baker and Senator Michelle Kidani,

I write in strong support of HB2494 which clarifies the accommodations available to protect and keep our keiki with diabetes medically safe at school; allowing DOE employees to volunteer to administer or assist a student with blood glucose monitoring.

Further, many school employees are being told they are unable to volunteer due to liability concerns. This position appears to stem from a perception that certain activities that are normally associated with routine assistance to students with diabetes are not covered by Hawaii Revised Statutes (HRS) §302A-1164. While the language of that statute was never intended to be construed so strictly, HB2494 seeks to eliminate any such ambiguity by amending the statutory language to specially include those actions. Doing so will ensure that volunteers who provide diabetes care or assistance will be fully protected from liability under HRS §302A-1164(h).

If you have any questions, please do not hesitate to email me or call me at (808) 947-5979.

Thank you,  
Leslie

**Leslie Lam | Market Director**

Pioneer Plaza, 900 Fort Street Mall, Suite 940, Honolulu, Hawaii 96813

P: 808.947.5979 C: 808.393.7319 C: 808.225.3415 F: 808.546.7502

E: [llam@diabetes.org](mailto:llam@diabetes.org) [www.diabetes.org/Hawaii](http://www.diabetes.org/Hawaii)



***Our Mission** is to prevent and cure diabetes and to improve the lives of all people affected by diabetes.*



**From:** [Marion Kamei](#)  
**To:** [CPH Testimony](#)  
**Subject:** Testimony In Support of HB2494  
**Date:** Friday, March 25, 2016 10:53:38 AM

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Dear Honorable Sen. Rosalyn Baker and Sen. Michelle Kidani  
Senate Committee on Commerce, Consumer Protection, and Health  
Hawaii State Capitol

I write in strong support of HB2494 which clarifies the accommodations available to protect and keep our keiki with diabetes medically safe at school; allowing DOE employees to volunteer to administer or assist a student with blood glucose monitoring.

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If you have any questions, please do not hesitate to email me. The ADA Hawaii Office is also available for any questions at (808) 947-5979.

Mahalo,

Marion

Marion M Kamei | SVP & Team Leader | 543065  
Private Banking Division  
999 Bishop Street, Honolulu, HI 96813 | P (808)943-4480 | F (808)943-4548 | mkamei@fhb.com



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**From:** [Robyn Harano](#)  
**To:** [CPH Testimony](#)  
**Subject:** Testimony In Support of HB2494  
**Date:** Friday, March 25, 2016 12:16:54 PM

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Dear Honorable Sen. Rosalyn Baker and Sen. Michelle Kidani  
Senate Committee on Commerce, Consumer Protection, and Health  
Hawaii State Capitol

I write in strong support of HB2494 which clarifies the accommodations available to protect and keep our keiki with diabetes medically safe at school; allowing DOE employees to volunteer to administer or assist a student with blood glucose monitoring.

Further, many school employees are being told they are unable to volunteer due to liability concerns. This position appears to stem from a perception that certain activities that are normally associated with routine assistance to students with diabetes are not covered by Hawaii Revised Statutes (HRS) §302A-1164. While the language of that statute was never intended to be construed so strictly, HB2494 seeks to eliminate any such ambiguity by amending the statutory language to specially include those actions. Doing so will ensure that volunteers who provide diabetes care or assistance will be fully protected from liability under HRS §302A-1164(h).

These pictures are a reminder of the lives that will be impacted by this important piece of legislation:





If you have any questions, please do not hesitate to email me. The ADA Hawaii Office is also available for any questions at (808) 947-5979.

Mahalo for your time!

**Robyn Harano | Manager, Development and Administration**

American Diabetes Association

Pioneer Plaza

900 Fort Street Mall, Suite 940

Honolulu, Hawaii 96813

P: 808.947.5979, Ext. 7034 F: 808.546.7502 E: [rhharano@diabetes.org](mailto:rhharano@diabetes.org)

1-800-DIABETES (342-2383)



 American Diabetes Association.

Find us online at: [www.diabetes.org/hawaii](http://www.diabetes.org/hawaii) | [www.diabetes.org](http://www.diabetes.org) | [www.stopdiabetes.com](http://www.stopdiabetes.com)

For Volunteer Information Exchange: <http://www.facebook.com/AmDiabetesVols>



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