



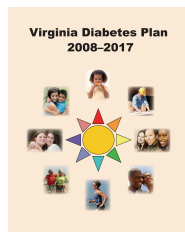
Virginia's Diabetes Medical Management Plan and Protocol in the School Setting

A Supplement to the National Diabetes Education Program: Helping the Student with Diabetes Succeed



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Abstract

Objective: To develop a single Diabetes Medical Management Plan and Protocol (DMMPP) to provide quality consistent care for children with diabetes in Virginia schools.

Methods: Collaboration from Hampton Roads public school nurse coordinators in six school divisions discussed the development of consistent guidelines and protocols for caring for students with diabetes. A coalition was formed by members of pediatric endocrinology offices from across the state. A draft was created and the decision was made to implement the Hampton Roads DMMPP for the 2008-2009 school year in Southeast and Central Virginia. A larger statewide workgroup was formed for evaluation and revision of the Hampton Roads DMMPP. This group included pediatric endocrinology providers, certified diabetes educators, school nurses, parents, and members of the Virginia Diabetes Council. Following 7 months of implementation, an online survey was created for providers and school nurses to evaluate the content and layout, the use, benefits, challenges, and overall efficacy of the current DMMPP.

Results/Evaluation: Feedback from the surveys were externally reviewed and evaluated. A subcommittee was then formed to address feedback from the surveys and to complete revisions of the Hampton Roads DMMPP for statewide implementation. Training sessions were coordinated to introduce the "Virginia" DMMPP to school personnel and parents.

Conclusion: A Virginia DMMPP has enhanced the ability to care for students with diabetes. The plan has increased communication between health care providers, parents, and school nurses and personnel. A statewide DMMPP that supports the principles of the American Diabetes Association's Clinical Practice Recommendations and Safe at School Program, and the National Diabetes Education Program's Helping the Student with Diabetes Succeed is critical in effectively caring for students with diabetes.

Target Audience:

- Health care providers
- School nurses and other staff
- Parents of children with diabetes

Health Behaviors Addressed:

- Inconsistency in care provided to children with diabetes in the school setting
- Inconsistency in communication between health care providers and school nurses
- Difficulty in keeping documentation up to date with continual changes
- More intensive diabetes management options for treatment of diabetes

Stakeholders:

- Hampton Roads Public School Nurse Coordinators
- Virginia School Nurses and Personnel
- Virginia Pediatric Endocrinologists (VCU, CHKD, UVA, Portsmouth Naval)
- Virginia Department of Education's Office of Student Services (DOE)
- Virginia Diabetes Prevention and Control Project
- Parents of Children with Diabetes
- Virginia Diabetes Council (VDC)

Assessment and Planning Timeline:

Winter 2008 – Virginia Diabetes Council (VDC) created 2008-2017 Strategic Plan

Spring 2008 – Hampton Roads DMMPP developed

Summer 2008 – Hampton Roads DMMPP trainings offered to school personnel

2008-2009 School Year – Hampton Roads DMMPP piloted in southeast/central Virginia

Winter 2009 – VDC School Form Subcommittee develops statewide DMMPP

Spring 2009 – School nurses and health care providers surveyed on Hampton Roads DMMPP

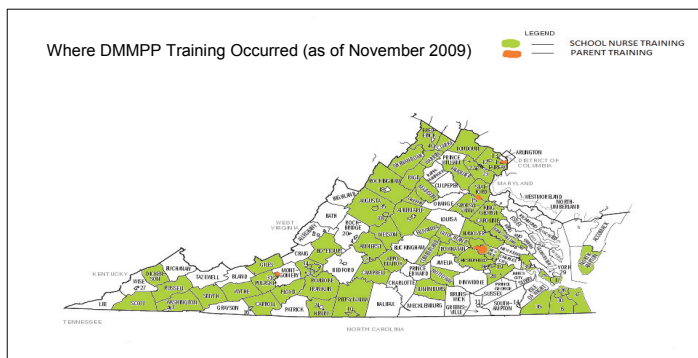
June 2009 – Using survey findings, Virginia DMMPP released for statewide use

2009-2010 School Year – VDC endorses Virginia DMMPP, VA DOE recommends use

Fall 2009 – Nurses in 70 of 132 public school divisions trained on Virginia DMMPP – see map below

March 2010 – School Nurses' Utilization Survey showed 82% are using DMMPP

Future – Ongoing evaluation



Evaluation:

Spring 2009-Hampton Roads DMMPP School Nurse and Medical Health Care Provider Evaluation

- 166 school nurses participated in the survey (18 out of 132 public school divisions)
- 13 out of 22 medical healthcare providers using Hampton Roads DMMPP participated in the survey

Key Findings

Benefits:

- Easy to read/ clear and consistent
- All inclusive and detailed
- Electronic format (paper version is also available)
- Increased communication between healthcare providers, nurses and parents

Challenges:

- Too lengthy
- Question about who completes each part (parent versus provider)
- Complicated or overwhelming, some clarification required
- Communication/compliance issues between parents, students and provider

Spring 2010 Virginia DMMPP School Nurse Utilization Survey

Key Findings:

- 81.2% (n=632) school nurses report having students with diabetes in their school
- 81.9% (n=511) school nurses report using Virginia DMMPP
- 64% (n=320) school nurses did not use any other supplementary materials with Virginia DMMPP

