

Title of Intervention: Case-managed program for children with diabetes

Intervention Strategies: Supportive Relationships, Group Education

Purpose of the Intervention: To improve self-management of children with diabetes

Population: Parents of children with Type 1 diabetes, 17 years or younger

Setting: Clinic; health care facility-based, home-based

Partners: Diabetes Society

Intervention Description:

- Supportive Relationships: Parents and children were seen in the Diabetes Team Clinic by a dietitian, a social worker and the nurse case manager every three months. The nurse adjusted insulin using a standard procedure. The nurse manager used telephone visits to assist families in problem-solving to improve self-management. For newly diagnosed children, the nurse case manager scheduled daily telephone contacts with the parents. Reinforcement of information learned at the class was done during clinic and telephone visits.
- Group Education: Parents of children newly diagnosed with Type 1 diabetes were referred to a twelve-hour, four-week comprehensive course of diabetes education at the local Diabetes Society. Group support and educational interventions were developed and implemented for parents and children according to the child's age.

Theory: Not mentioned

Resources Required:

- Staff/Volunteers: Diabetes team (dietitian, social worker, nurse case manager)
- Training: Not mentioned
- Technology: Health maintenance organization database
- Space: Clinic, classes
- Budget: Not mentioned
- Intervention: Diabetes Society informational course for parents
- Evaluation: Materials to collect and analyze blood samples, questionnaires

Evaluation:

- Design: Quasi-experimental
- Methods and Measures:
 - Glycemic control was measured from blood samples.
 - Quality of life and self-efficacy were measured by questionnaires.

Outcomes:

- Short Term Impact: Parents' self-efficacy scores increased.
- Long Term Impact: There was a small improvement in glycemic control and the quality of life.

Maintenance: Not mentioned

Lessons Learned: Not mentioned

Citation(s):

Carvalho, J. Y. and C. R. Saylor (2000). "An evaluation of a nurse case-managed program for children with diabetes." *Pediatr Nurs* 26(3): 296-300, 328.