

Title of Intervention: Bucklebear

Website: www.bucklebear.com

Intervention Strategies: Group Education

Purpose of the Intervention: To encourage vehicle safety among young children

Population: Preschoolers

Setting: Day care center in Wisconsin; school-based

Partners: Not mentioned

Intervention Description:

- Group Education: The five-day educational intervention offered was a modified version of the "Riding with Bucklebear" program. The intervention focused on regular use of seat belts, correct adjustment of seat belts, appropriate behavior when riding in a car and emphasis of the back seat as the safest place in the car. The children were taught rhymes and songs related to automobile safety, watched a short film, listened to short lessons, participated in coloring activities and played with Bucklebear.

Theory: Self Care Process

Resources Required:

- Staff/Volunteers: Day care facilitators to administer the program
- Training: Not mentioned
- Technology: Equipment to watch videos
- Space: Space to conduct class
- Budget: Not mentioned
- Intervention: Bucklebear program materials, films, games
- Evaluation: Observation area, questionnaire

Evaluation:

- Design: Pre- and post-evaluation
- Methods and Measures:
 - Knowledge interviews: The play interview took place in a quiet area of the center. Equipment included an actual car seat and seat belts, a toy car equipped with seat belts and car seats, a set of family figure dolls, and pictures depicting desirable and undesirable behavior when riding in cars. Children were asked to demonstrate knowledge using dolls.
 - A parent questionnaire was conducted to assess perceptions of their children's behavior while in a car.
 - Observations were made of child's seat belt use upon arrival and departure of the center.

Outcomes:

- Short Term Impact: Knowledge significantly increased between pre- and post-test
- Long Term Impact: There was a general increase in seat belt use, but it was not significant. One third of parents reported an improvement in the child's car behavior following the program. Older children's results were better than younger children.

Maintenance: Not mentioned

Lessons Learned: Not mentioned

Citation(s):

Arneson, S. W. and J. L. Triplett (1990). "Riding with Bucklebear: an automobile safety program for preschoolers." J Pediatr Nurs 5(2): 115-22.

