

DOCUMENT RESUME

ED 465 464

PS 030 458

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TITLE Guidelines for Programs To Reduce Child Victimization: A Resource for Communities When Choosing a Program To Teach Personal Safety to Children.
INSTITUTION National Center for Missing and Exploited Children, Alexandria, VA.
SPONS AGENCY Department of Justice, Washington, DC. Office of Juvenile Justice and Delinquency Prevention.
PUB DATE 1999-00-00
NOTE 22p.
AVAILABLE FROM National Center for Missing & Exploited Children, Charles B. Wang International Children's Building, 699 Prince Street, Alexandria, VA 22314-3175. Tel: 800-843-5678 (Toll Free); Web site: <http://www.missingkids.com>.
PUB TYPE Guides - Non-Classroom (055)
EDRS PRICE MF01/PC01 Plus Postage.
DESCRIPTORS Bullying; Check Lists; Child Abuse; *Child Safety; *Children; Elementary Secondary Education; *Evaluation Criteria; Missing Children; Prevention; Program Effectiveness; *Program Evaluation; Risk Management; *Safety Education; School Safety; Selection Tools; Sexual Abuse; *Violence
IDENTIFIERS Program Characteristics; Sex Exploitation; Sexual Violence; *Victimization

ABSTRACT

The National Center for Missing and Exploited Children (NCMEC) compiled this guide for schools, community groups, and individuals who are choosing programs that teach personal safety to children. A task force of eight other organizations contributed to the guide. The guide defines child victimization as sexual abuse and assault, abduction, bullying, and school violence, and then provides background on safety education, including history, schools role in prevention, assumptions of education programs, and goals. The guide next provides characteristics and essential elements of effective programs based on a literature review and the collective experience of the task force. Points mentioned include: targeting of young children, skills acquisition, increased disclosure of inappropriate behavior, avoidance of unnecessary anxiety, theoretical basis, developmental appropriateness, consideration of special needs children, program content and duration, presenters, and modes of presentation. The guide includes a preparation checklist, curriculum scorecard, and program evaluation checklist. A summary research review, endnotes, and addresses of task force members conclude the guide. (KK)

Guidelines for Programs to Reduce Child Victimization: A Resource for Communities When Choosing a Program to Teach Personal Safety to Children.

Mary Hawkins

**National Center for Missing and
Exploited Children**

**U.S. Department of Justice, Office of
Juvenile Justice and Delinquency Prevention**

1999

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GUIDELINES FOR PROGRAMS TO REDUCE CHILD VICTIMIZATION: A Resource

FOR COMMUNITIES WHEN CHOOSING A PROGRAM TO TEACH PERSONAL SAFETY TO CHILDREN

The National Center for Missing & Exploited Children® (NCMEC) has a twofold mission to

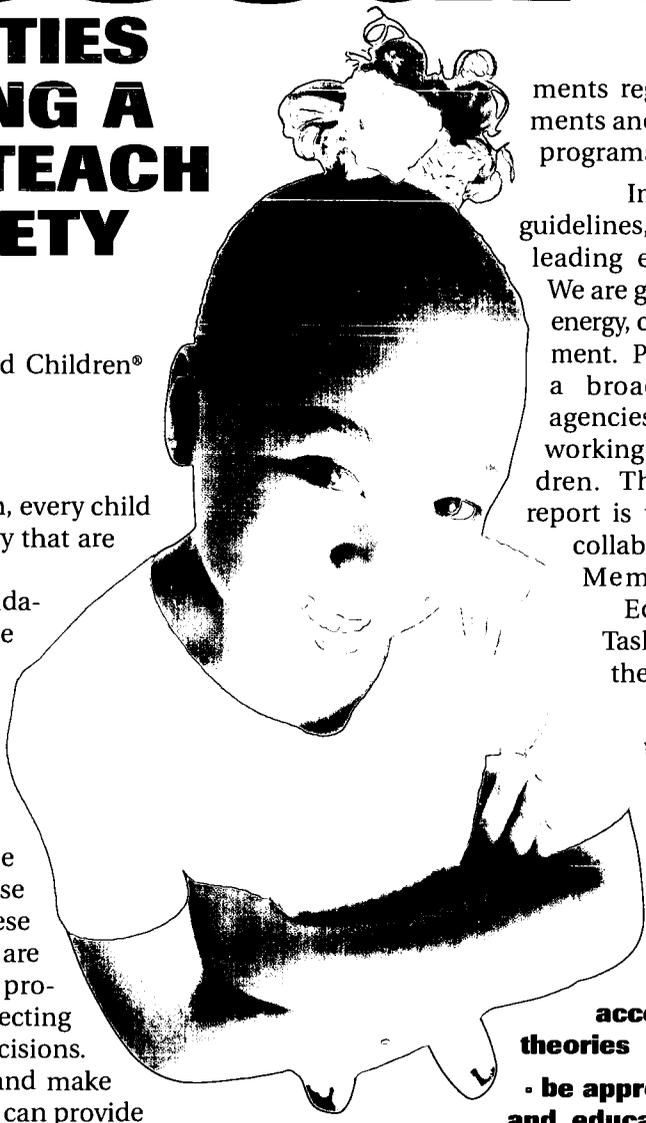
- find missing children and
- prevent the victimization of children

To achieve the second part of that mission, every child should receive instructions on personal safety that are positive, comprehensive, and effective.

NCMEC often is asked to make recommendations, endorse programs, and provide guidance to schools, community groups, and individuals who are trying to choose among various programs that teach personal safety to children. NCMEC does not endorse specific products or programs; however, we undertook a comprehensive process to develop guidelines for educational programs in the hope that educators and parents will use these criteria to review proposed programs. These guidelines are not legal standards, and they are not community-specific. They can, however, provide a framework for communities when selecting safety programs and making curriculum decisions. We also hope that they will raise questions and make school decision-makers think about how they can provide the most effective program possible—one that

- children will enjoy and understand
- will change children's behavior to help keep them safer

For years we have known that 30-minute "stranger danger" programs presented once a year are not adequate. But what is adequate? Today, research and evaluation are available on various educational programs and approaches. Although there is still much to be learned, NCMEC feels that we have a basis on which to make judg-



ments regarding the key elements and content of effective programs.

In developing these guidelines, NCMEC joined with leading experts in the field. We are grateful for their time, energy, creativity, and commitment. Participants represent a broad cross-section of agencies and organizations working on behalf of children. The content of this report is the product of their collaboration and analysis. Members of NCMEC's Education Standards Task Force are listed at the end of this report.

What we learned is that all training and educational materials proposed for use by schools and organizations that serve children should

- be based on accepted educational theories
- be appropriate for the age and educational and developmental levels of the child
- offer concepts that will help children build self-confidence in order to better handle and protect themselves in all types of situations
- have multiple program components that are repeated several years in a row
- utilize qualified presenters who use role-playing, behavioral rehearsal, feedback, and active participation

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The "Preparation Checklist," "Curriculum Scorecard," and "Program Evaluation Checklist" are tools to help guide communities in the selection, placement, and evaluation of safety programs.

BEFORE SETTING EDUCATIONAL guidelines for programs to reduce child victimization, it is important to step back and take a look at the need for these programs.

Scope of the Problem

Statistical data underscore the need for safety education for children.

Child Sexual Abuse and Assault

- 84,320 confirmed cases of sexual abuse were reported in the United States in 1997¹
- Teenage girls are among the most frequent victims of sexual assault²
- 61 percent of all rape victims are younger than 18³
- 90 percent of rape victims younger than 12 knew their offender⁴



Note: A report, based on interviews with offenders who sexually abused their victims, found that a threat by a child to inform an adult about an assault would have had a deterring effect on the offender's behavior.⁵

Missing Children

- 932,190 persons (adults and juveniles) were reported to

police as missing in 1998 and were entered into the Federal Bureau of Investigation's National Crime Information Center (NCIC) computer⁶

- 85 to 90 percent of missing persons are juveniles; therefore, on average, 2,200 children are reported missing each day of the year⁷

Child Abductions

In a one-year period, there were approximately

- 114,000 attempted non-family abductions
- 3,200 nonfamily abductions
- 354,000 family abductions⁸

Note: The average victim of abduction and murder is an approximately 11-year-old girl who is described as a "low-risk," "average" child with a stable family relationship and has initial contact with the abductor within a quarter mile of her home.⁹

Bullies

- A survey of a group of eighth-graders and another group of counselors, teachers, and administrators in the same schools in New York found that 58.8 percent of the students said that they had been "bothered by a bully" while in middle school. In contrast, staff members believed that only 16 percent of the students had been victims of bullies.¹⁰
- Between 5 and 15 percent of children are suffering harsh and repeated abuse at school.¹¹
- Research shows that victims who are exposed to bullies

over a long period eventually become either withdrawn or aggressive. In extreme cases, they can become suicidal or take violent revenge on others.¹²

School Violence

School violence between youths is frequently lethal. Research reveals that children who witness violence in the home are more likely to become predators or victims of violence later on. But, reacting violently to adverse circumstances is a learned behavior that can be "unlearned."¹³

History of Safety Education for Children

Over the years, educational programs on personal safety for children have evolved from "Don't talk to strangers" to comprehensive programs that are a part of school curricula. Largely as a result of wide reporting in the media of cases of child abductions and child abuse data in the 1980s, the public became more aware of child victimization. This heightened public awareness led to a rapid



CHILDREN NEED EDUCATION ON PERSONAL SAFETY

increase in the number of programs created and implemented to reduce the victimization of children. Because these programs evolved so rapidly and changed so often, it is difficult to measure positive changes in the behavior of the children who participated in these programs.

Role of Schools in Prevention Efforts

Schools have become the center of prevention efforts. Children learn a great deal in the classroom about the basic rules for living. Schools offer an already existing system for delivering educational messages. Thus, it is important for schools to provide children with accurate information about their personal safety. Programs on child safety that are taught in the schools should be designed to increase children's ability to recognize and avoid potentially dangerous situations and help better protect themselves. Equally important is the development of self-esteem at every level of the educational process, because children with self-confidence are less likely to be victimized.¹⁴

Only 15 states now mandate safety education in schools.¹⁵ We believe that all schools should have some type of program on personal safety, even when it is not mandated by their state. Often, educators lack a set of general guidelines against which to measure the quality and effectiveness of prevention programs. The purpose of this document is to fill that void.

STORIES OF CHILD ABDUCTION, abuse, and exploitation frighten both parents and children. Although it is natural for parents to fear for the safety of their children, there is growing information that prevention education works. Research has established that children can be given the tools and knowledge to be safer. NCMEC is committed to strengthening and enhancing these programs because it believes that education plays a major role in making children safer.

The Assumptions

- If we can improve the knowledge, self-confidence, and assertiveness skills of children, then they will be safer because they will be better able to recognize danger and resist potential offenders.
- If we can improve the knowledge, self-confidence, and assertiveness skills of children, then we will be able to deter many offenders who look for and prey on vulnerable children.



• If we can improve the knowledge, self-confidence, and assertiveness skills of children, then we can break the "cycle of victimization" in which some of those who have been victimized later become offenders.

The Goals

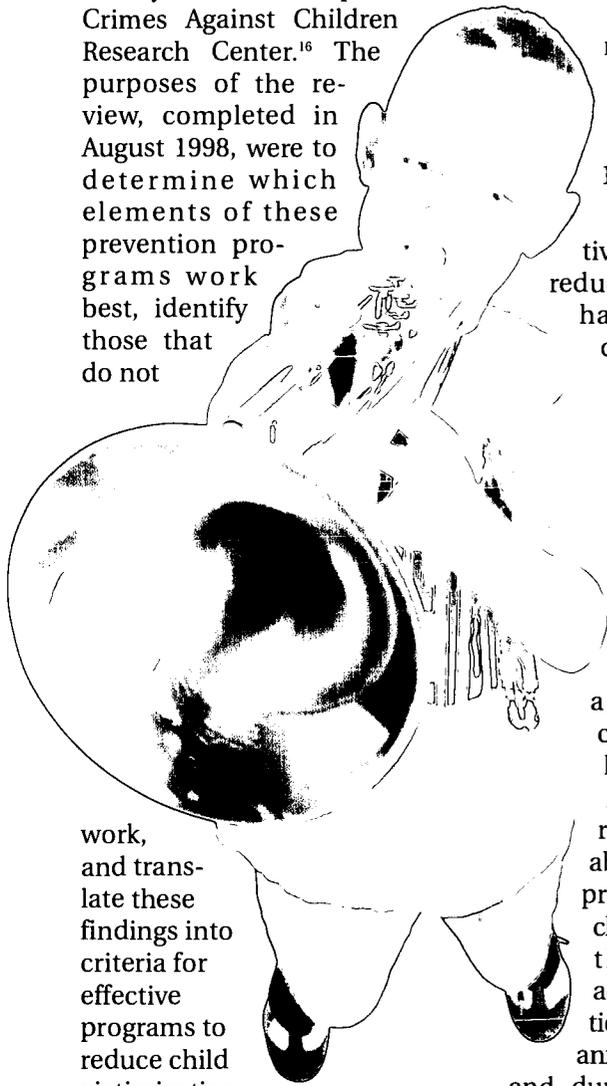
- To enhance a child's ability to avoid victimization
- To enhance a child's self-esteem
- To reduce the feelings of guilt and blame that often are associated with victimization
- To promote disclosure of abuse and victimization
- To enhance and coordinate community response
- To enhance communication between parents and children about personal safety
- To reinforce adult supervision and protection
- To deter offender behavior

WHAT IS AN EFFECTIVE PROGRAM?

BECAUSE most of the programs currently in use to reduce child victimization have been in effect for less than a decade, no definitive scientific analysis of these pro-

grams has been completed. Even though definitive research on reducing child victimization is lacking, extensive research has been conducted on other types of programs that have been part of school curricula for years to promote child safety such as programs on driver training education and suicide prevention. Thus, NCMEC commissioned a review of the

research literature in this area. The study was conducted by Ruth Luna, M.A., and David Finkelhor, Ph.D., at the University of New Hampshire's Crimes Against Children Research Center.¹⁶ The purposes of the review, completed in August 1998, were to determine which elements of these prevention programs work best, identify those that do not



work, and translate these findings into criteria for effective programs to reduce child victimization.

From this research we learned that some approaches to prevention education have been successful. The challenge, however, for programs to reduce child victimization is that most of the programs that are currently available lack the elements of an effective program. Of the programs studied, the successful ones

- were intense

- were offered over many years
- were fully utilized
- had multiple components

Key findings from this review, details about the research, and a bibliography of the articles reviewed are on page 16.

Although no definitive study of programs to reduce child victimization has been completed to date, more than 40 research articles on this topic have been published in the past 10 years. A meta-analysis by Berrick and Barth¹⁷ and six other major reviews of the research¹⁸ reached similar conclusions—these programs produce a small but statistically significant gain in knowledge. Other pertinent findings in these reviews offer insights about the effects of these programs based on a child's age at the time of the program, skills acquisition and application, disclosure, fear and anxiety, program content and duration, presenters, and mode of presentation.

Age

Programs to reduce child victimization have the strongest effect on children who are in elementary school or younger.

- A study of children in kindergarten through second grade who participated in a prevention program found that the children would tell a responsible adult if they were victimized, both when forced and told by

the offender to keep the encounter a secret.¹⁹

- A study of preschool-aged children found that students in the prevention program demonstrated significantly greater knowledge and higher levels of personal-safety skills after the program than children who were not in the program.²⁰

Skills Acquisition and Application

There is considerable indirect evidence, based on children's responses to written, verbal, or videotaped safety vignettes, showing that children can learn and apply personal-safety skills.

- Children can be taught to recognize appropriate and inappropriate touches and understand the difference.²¹
- Children can be taught assertiveness skills to help avoid an offender's advances.²²
- Forty percent of 10- to 16-year-olds who participated in a telephone survey reported specific instances when they used the information or skills taught in an anti-victimization program to avoid suspicious strangers or get out of a fight.²³

Disclosure

The few studies testing disclosure of abuse or exploitation are promising.

- In five of six schools in which prevention programs were offered, school guidance counselors received confirmed, multiple reports of inappropriate sexual or physical touching in the six months following the program, but no reports were noted in the group of children who did not participate in the program.²⁴
- One study found that several children reported ongoing

sexual abuse, and, within six weeks of receiving a prevention program that was presented in three parts, even more reported incidents that had happened in the past.²⁵

Fear and Anxiety

One concern about programs that try to reduce child victimization is that they cause unnecessary fear and anxiety in children. Recent research tends to ease this concern.

- A telephone survey found that children and parents who reported increased levels of fear or anxiety following the prevention program were also the most likely to rate the program as having had an overall positive effect and to have used the concepts in their daily lives.²⁶

- In an evaluation of a particular program, no child was seen as reacting with anxiety about parental hugs and kisses.²⁷

Program Content and Duration

Available research supports the thesis that more comprehensive programs that are repeated often produce greater results.

- A national incidence survey of children 10 to 16 years of age, conducted by telephone within the United States, reported that, across programs, the more comprehensive the material or the more programs attended, the higher the child scored on a short test of knowledge of prevention concepts.²⁸

- Repetition of concepts in additional sessions added significantly to learning.²⁹

Presenters

Available research indicates that many different types of presenters can be effective.

- A study comparing teachers and expert consultants as presenters found them to be equally effective.³⁰

- A study comparing teachers and parents as instructors found parents to be equally

and, in some cases, more effective at teaching their children about personal safety.³¹

Mode of Presentation

Role-playing and active rehearsal of desired behaviors are more effective for reinforcing the behavior to be learned than simply demonstrating.³²

PREPARATION

THE SUCCESS OF ANY PROGRAM TO reduce child victimization main-

ly depends upon the time and effort devoted to preparation of that program. Consider the sug-

gestions noted

below when developing an effective plan to implement a program in your area.

Define Need

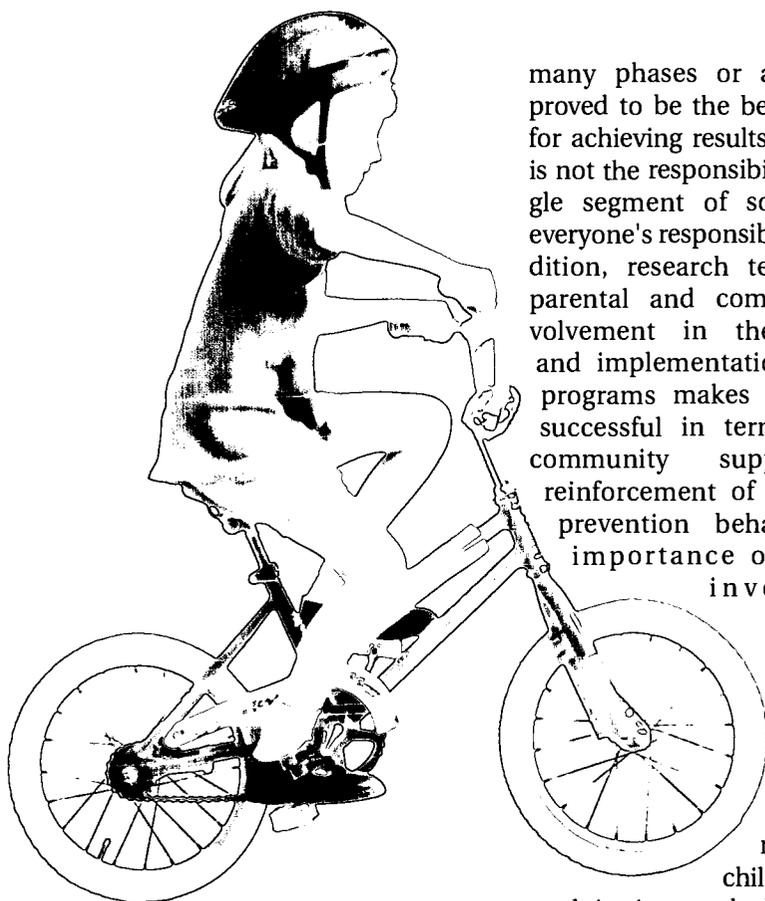
As described earlier in "Scope of the Problem," safety education is needed because of the great number of children who are victimized each year.

Because children are victimized in every part of the coun-

try, **each community needs to provide an educational program that better ensures the safety of the children in its**

area. Given that communities have different standards, demographics, and problems resulting in different needs, no one safety program can meet the needs of every community.





Programs can and should be tailored to community standards and needs. The best way to ensure a successful outcome for a safety program is to be educated yourself about the nature of the problem and related concerns in your community. Check with parents, community officials, and organizations that deal with children in your area to learn about the needs in your community. Only then can a meaningful program be chosen or designed to meet the specific needs in your area.

Parental and Community Involvement

A primary objective of programs that try to reduce child victimization must be to involve children, parents, teachers, officials, key organizations, and the community at large. A coordinated community response with

many phases or aspects has proved to be the best approach for achieving results. Prevention is not the responsibility of a single segment of society. It is everyone's responsibility. In addition, research tells us that parental and community involvement in the planning and implementation of these programs makes them more successful in terms of both community support and reinforcement of the desired prevention behaviors. The importance of parental involvement cannot be overstated.

Parents' knowledge about the scope and nature of child abuse and exploitation and their understanding of the importance of communicating with their children on these sensitive issues are critical to the success of the program. A survey of children's attitudes found that children were more likely to consider a program interesting and helpful if it had information for them to take home and if it prompted a discussion with parents.³³

Assess Existing Resources

Many programs and materials on reducing child victimization already exist. For the best results, conduct a thorough

review of the available resources before selecting a program tailored for your community's specific needs. Also consider the many teaching aids available to both enhance and reinforce classroom lessons such as

- Audiovisual materials including films, tapes, and videos
- Books
- Coloring books
- Comic books
- Games
- Puppet shows
- Theatrical performances
- Workbooks

Know the Law

States have laws that deal with the liability of programs, mandatory reporting, and background checks on individuals who work with children. When you are considering programs that promote personal safety, consult your organization's attorney for a complete legal and risk assessment. Your attorney's advice is necessary not only to assess and avoid the liabilities that you may encounter but also to help you understand your obligations under your state laws.

Several web sites can help you access state statutes and court decisions. They include www.legalonline.com/courts.html, www.law.cornell.edu, www.ncsl.org/public/sitesleg.htm, and www.ncsl.org/pub



lic/sitesgov.htm. Also, you can access the U.S. House of Representatives' Internet law library which contains the United States Code and Code of Federal Regulations, through the Library of Congress' site at thomas.loc.gov.

Choose Program

Once the community's needs are defined, parental and community involvement has been secured, existing resources have been evaluated and secured, and the legal ramifications have been assessed, a community is ready to select and implement its program. Tools included in this guideline to assist communities in this process are the "Preparation Checklist" on page 9, "Curriculum Scorecard" on page 13, and "Program Evaluation Checklist" on page 15.

Qualifications of Presenters

As mentioned earlier in "Presenters," a wide variety of presenters can be effective in teaching children safety concepts. At a minimum, presenters should meet qualifications that are set by the decision-making body of the sponsoring organization. Basic qualifications must include an ability to communicate well with children and handle, with sensitivity, a child's disclosure of abuse or victimization. Also a presenter, or available counselor, must be instructed in state-mandated reporting requirements if a child discloses abuse. Qualified counselors acting as program coordinators may need to be available to meet a child's personal needs. Regardless of who will be presenters, they must be required to undergo a

mandatory background check (to identify any criminal record they may have) prior to presenting the program to children.

Provide Training for Concerned Groups

In addition to training presenters, similar preparation should be available for parents, teachers, and community officials to familiarize them with the content and goals of the program as well as the law. Involving these groups in the process, soliciting their counsel and advice, seeking their support, and equipping them with the knowledge necessary to become successful partners in the prevention efforts are important investments of time that will pay enormous dividends.

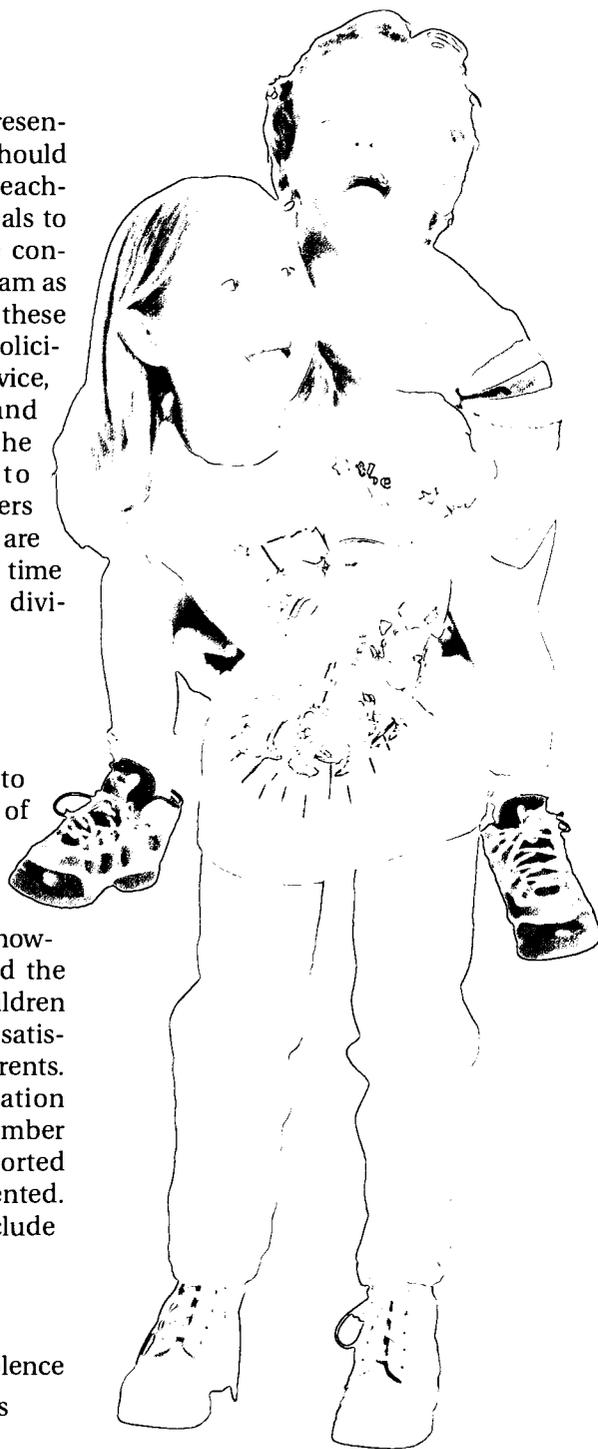
Develop an Evaluation Plan

A comprehensive plan to evaluate the effectiveness of the program must be in place before the program is implemented. The evaluation should test knowledge, skills, attitudes, and the behavioral change of children and also the attitudes and satisfaction of teachers and parents. In addition, the evaluation should document the number of incidents that are reported after the program is presented. Types of abuse need to include

- Abduction
- Bullying
- Fights/playground violence
- Inappropriate touches
- Physical abuse
- Sexual assault

The optimal evaluation includes pre- and post-testing to compare children who par-

ticipate in the program with another group of children who do not participate.³⁴



ESSENTIAL ELEMENTS OF PROGRAMS TO REDUCE CHILD VICTIMIZATION

BASED ON THE STUDIES OF programs to reduce child victimization and the collective knowledge and experience of NCMEC and the Education Standards Task Force, the items noted below represent a general

seek positive behavioral change. The behavior-change theory most often cited in effective programs is the theory on social learning,³⁵ which proposes that behavioral change results from

- Observation of a model's behavior
- Active rehearsal of the desired behavior
- Consistent feedback about and reinforcement of the desired behavior

Developmentally Appropriate

Curriculum must be developmentally appropriate with regard to language, content, and teaching methods. The most successful programs are those that begin early and are tailored to the cognitive and learning abilities of children, with younger children requiring repeated behavioral rehearsal and feedback in order to

comprehend the prevention strategies.

"Special-Needs" Children

Physically and developmentally challenged children have the same right and need to safety education as any other child. Programs must address or be adapted to meet the particular needs of

these children in your community. Prevention education for special-needs children is of paramount importance because they are often the most vulnerable to victimization. Work with the special-education consultants in your school or community to ensure that the curriculum used meets these needs. Also ask about the possibility of having the consultants work one-on-one with these children to reinforce the safety rules taught in the program.

In general, special-needs children should participate in the program with the other children and be offered the opportunity to repeat key parts of the program more frequently, role-play more often, and have safety messages reinforced more frequently. For more information on available resources, contact the National Information Center for Children & Youth With



consensus on appropriate curriculum elements to be included in these programs.

Theoretical Basis

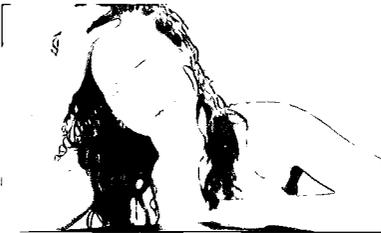
All programs to reduce child victimization must be based on existing research. Two concepts have proved useful in the development of these programs. First, programs should address protection as well as risk factors. Second, programs should



Disabilities in Washington, D.C., at 202-884-8200 and the Child Welfare League of America, also in Washington, D.C., at 202-638-2952. Also, seek out and review any available curricula specifically addressing special-needs children.³⁶

Skills Training

A wide variety of skills and concepts will be incorporated into any comprehensive program to reduce victimization, but pro-



grams need the core components of

- Teaching children to recognize dangerous and abusive situations
- Teaching children to distinguish between appropriate and inappropriate touch
- Teaching children to say "no" to unwanted overtures

- Teaching children skills to better protect themselves and avoid dangerous situations

- Encouraging children to tell an adult about such episodes

- Assuring children that such incidents are never the fault of the child

Program Length and Duration

Existing programs vary widely in length and range from a single session to multiple sessions over several years. Some research shows gains in knowledge after a single session, but more intensive programs produce better results. Although stand-alone, dramatic presentations are not

adequate by themselves, they may be helpful, on occa-

sion, to complement an ongoing program.



Mode of Presentation

Modes of presentation also vary. The most effective programs appear to be those that use behavior rehearsal, role-playing, and feedback to presenters and children. The active participation of a child in practicing the intended behavior or skill to be learned produces the most effective results.



CURRICULUM Scorecard

To evaluate safety programs, NCMEC developed this scorecard to help you "grade" programs that you are considering. The scorecard should also be used annually to evaluate those programs that are currently used in your community. **Remember, safety programs need to be both comprehensive and effective to best serve the needs of children and the entire community.** It is important that the program you choose meet as many of the criteria listed below as possible, and the criteria listed in the "SKILLS" section of this "Curriculum Scorecard" are especially critical.

Please circle the symbol under the phrase that most closely describes how effectively the curriculum meets the criteria in each category.

	MEETS CRITERIA	PARTIALLY MEETS CRITERIA	DOES NOT MEET CRITERIA
SKILLS			
Strengthens a child's self-confidence and self-esteem at every level	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Develops basic safety skills for young children by teaching them the importance of knowing their names, addresses, emergency telephone numbers; not going places alone; and notifying an adult when they go out	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Helps children distinguish between appropriate and inappropriate touch	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Instructs children to be able to say "no" to unwanted overtures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Teaches children self-protective skills to avoid abduction and exploitation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Encourages disclosure by instructing children to always tell an adult about inappropriate or unwanted behaviors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Instructs children how to identify the private parts of their bodies using correct anatomical terms, if appropriate for your community	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Instructs children how to identify an adult they can trust, the importance of talking to an adult if something bothers them and that some secrets need to be told	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Instructs children that adults sometimes act inappropriately	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Emphasizes the fact that inappropriate adult behavior is never the fault of the child	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Teaches children that victims can be people of any age, size, color, or sex	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Teaches children that offenders can be children or adults of any age, size, color, sex, and either "strangers" or people they know	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	MEETS CRITERIA	PARTIALLY MEETS CRITERIA	DOES NOT MEET CRITERIA
PRESENTATION			
Grounded in theory and research	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Localizes curriculum to fit specific community needs	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Includes proper training for presenters, teachers, parents, and community officials	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Program and materials are age-appropriate (respects the developmental abilities and limitations of children at various ages)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Includes training for developmentally and physically challenged children	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Incorporates demonstrations and rehearsal of desired behavior by each child	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Occurs on multiple occasions over several years and includes periodic reviews	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Includes supplemental sessions to reinforce skills	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Is interactive	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Includes homework	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Includes comprehensive evaluation	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Includes parental involvement	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provides complete and accurate information about sex to older children, if appropriate for your community	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
AWARENESS			
Fosters improved communication between a parent and child about personal safety	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fosters in children the importance of adult supervision in their safety	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Requires the proper reporting of all child sexual or physical abuse	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Encourages parental and community involvement	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Promotes notification, by responsible adults, to the proper authorities, of any perceived changes in a child's behavior after instruction	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fosters the idea that to obtain greater independence, children need to take on greater personal responsibility	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fosters the idea that children have the right to control what happens to their bodies and to protect themselves	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

PROGRAM Evaluation Checklist

Comprehensive scientific evaluations of programs to reduce child victimization are difficult to complete for many reasons. Most programs contain common concepts to be taught, but they vary widely with respect to components such as mode of presentation, program length, expertise of presenter, parental and community involvement. To ensure that program effectiveness can be measured in a thorough and scientific manner, it is essential to have the appropriate evaluation tools in place prior to program implementation. A group of children who do not participate in the program (control group) and a group of children who participate in the program (treatment group) are needed to ensure optimal measurement of effectiveness. Once the evaluation has been completed, the control group needs to participate in the program.

✓
Pre- and Post-Test Measurements of
Children's knowledge of subject matter
Incidence of reported abuses
Incidence of disclosure
Post-Test Evaluation of
Attitudes of children, parents, and teachers about the
• Effectiveness of the program
• Effectiveness of the presenter
Changes in child's behavior
Changes in the levels of fear and/or anxiety in children
Improved communication between parent and child regarding personal safety
Post-Test Evaluation of Presenter
Knowledge of issue
Knowledge of law
Sensitivity to delicate topics
Ability to communicate with children
Faithful implementation of program by following guidelines
Effectiveness in teaching desired skills
Sensitivity to feedback from children and parents
Effectiveness in handling discussions
Evaluation of Presentation
Program includes multiple sessions
Program length is sufficient to teach desired skills
Program includes demonstrations of desired behavior
Program includes behavior rehearsal and role-playing
Program includes supplemental sessions to reinforce learning
Program includes interesting and effective program materials
Program includes homework
Program includes parental involvement
Mode of Evaluation (ranked by order of importance)
Combination of questionnaires and personal interviews
Behavior modeling to test skills
Personal interviews
Questionnaires

AS NOTED EARLIER, PROGRAMS TO promote child safety have been part of curricula taught in schools far longer than programs to reduce child victimization. To learn more about the effectiveness of these programs, NCMEC commissioned a review of the research literature in this area of child safety. The study was conducted by Ruth Luna, M.A., and David Finkelhor, Ph.D., at the University of New Hampshire's Crimes Against Children Research Center. The purposes of the review, which was completed in August 1998, were to determine what elements of programs regarding general child safety work best, identify those that do not work, and translate these findings into criteria for effective programs to reduce child victimization.

The review covered the topics of traffic safety and injury prevention including driver training education; drug, alcohol, and tobacco usage; suicide prevention; delinquency prevention; health promotion including heart health and dental hygiene; mental-health promotion; school-failure prevention; violence prevention; and sex education. In seven of the nine areas, the articles reviewed were published since 1990. A bibliography of the studies and articles reviewed by Ms. Luna and Dr. Finkelhor begins in the next column.

Findings

Elements of **effective** prevention programs taught in schools include a coherent theoretical basis; active, systematic, and specific skills training; multiple program components such as classroom training combined

with parental involvement; interactive instructional techniques; individualized instruction and lower teacher:child ratios; full program implementation; and more intensive programs that are repeated many times during the school year.

Elements generally shown to be **ineffective** in such programs include teaching lectures and presentations targeted simply at increasing knowledge, use of fear tactics, efforts to change attitudes alone, and generalized approaches.

In addition, many types of presenters have been shown to be effective, but more experienced presenters do better in some areas such as sex education. Programs targeting younger children tend to be more effective in areas where it is important to intervene before negative behaviors and norms are established such as smoking and sexual activity. In no area has research suggested that immaturity or lack of comprehension is a barrier to effectiveness with younger children. Programs have sometimes been shown to be differentially effective with one sex, especially in areas such as sexual behavior and suicide, in which problem dynamics differ by sex. Thus, tailoring programs based on sex in certain domains appears to have merit.

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In order to update this listing in future editions, let us know about any special resources you are aware of in this area by contacting the National Center for Missing & Exploited Children's Education Standards Task Force at 1-800-THE-LOST (1-800-843-5678).

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Supporting Agencies

American Academy of Pediatrics

American Federation of Teachers

American School Counselor
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Association of Missing and
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Organizations

Boys & Girls Clubs of America

Children's Trust Fund of Texas

Coalition for Children

Florida Crime Prevention
Association

Florida Department of Law
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National Association of
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Elementary School Principals

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EFF-089 (3/2000)

PS030458