Implementing Three Evidence-Based Program Models: Early Lessons From the Teen Pregnancy Prevention Replication Study

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ABSTRACT

Purpose: This article describes some of the early implementation challenges faced by nine grantees participating in the Teen Pregnancy Prevention Replication Study and their response to them.

Methods: The article draws on information collected as part of a comprehensive implementation study. Sources include site and program documents; program officer reports; notes from site investigation, selection and negotiation; ongoing communications with grantees as part of putting the study into place; and semi-structured interviews with program staff.

Results and Conclusions: The issues faced by grantees in implementing evidence-based programs designed to prevent teen pregnancy varied by program model. Grantees implementing a classroom-based curriculum faced challenges in delivering the curriculum within the constraints of school schedules and calendars (program length and size of class). Grantees implementing a culturally tailored curriculum faced a series of challenges, including implementing the intervention as part of the regular school curriculum in schools with diverse populations; low attendance when delivered as an after-school program; and resistance on the part of schools to specifying curriculum content. The third set of grantees, implementing a program in clinics, faced challenges in identifying and recruiting young women into the program and in retaining young women once they were in the program. The experiences of these grantees reflect some of the complexities that should be carefully considered when choosing to replicate evidence-based programs. The Teen Pregnancy Prevention replication study will provide important context for assessing the effectiveness of some of the more widely replicated evidence-based programs.

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The Teen Pregnancy Prevention (TPP) program, administered by the Office of Adolescent Health (OAH), seeks to address high rates of teen pregnancy by (1) replicating evidence-based program models and (2) testing innovative approaches. Funding was structured to maximize investment in programs with strong evidence of effectiveness (Tier 1: Replication grants) while providing support for new approaches that could add to the existing knowledge base (Tier 2: Research and Demonstration grants). Funding for both types of grantees was accompanied by requirements for evaluation activities. All grantees in both groups are required to assess and report on the fidelity with which they are implementing the program model. Adaptations are allowed with OAH approval, providing they do not compromise any of the program’s core components.

The TPP Replication Study, funded through OAH and the Office of the Assistant Secretary for Planning and Evaluation, is designed to supplement existing evaluation efforts by focusing

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on replication and expanding on the grantee-led evaluations that others are implementing. For this study, three program models were selected, with three replications of each model, to address the question “Do replications of evidence-based models, implemented with fidelity, produce impacts on teen pregnancy and births to teens, across different settings and populations?”

**The replication challenge**

Efforts to replicate an evidence-based program in real-world settings bring into sharp focus the tension between adherence to the core elements of the program (fidelity) and adaptation in response to implementation challenges. Some prevention researchers believe that adaptation always reduces the effectiveness of the program model [1]. Berkel et al. (2011) [2] cite other researchers in support of the idea that adaptation can be defined as addition to the program model, rather than lack of fidelity. They suggest that this might help in distinguishing what might be a positive addition to the program from an inability to implement the program with fidelity to the original design. Because the context in which the program is delivered changes over time and may be offered to populations that differ in important ways from those on which it was originally tested, adaptation may be necessary to preserve program effectiveness [3,4].

Bumbarger and Perkins (2008) argue that, when evidence-based programs are replicated in natural conditions, complete fidelity is unlikely and that much of the adaptation is not intentional (innovation, a positive addition that strengthens the intervention without eroding its core elements) but rather reactive in response to barriers [5]. Their research provides some support for this contention. In a survey of organizations participating in the Pennsylvania Commission on Crime and Delinquency initiative, almost 40% of the respondents reported that they had not implemented the program model as it was originally designed, and in more than half of these, the adaptations could reasonably be expected to reduce program effectiveness. Examples included shortening or deleting lessons and changing pedagogic strategy, both in response to unanticipated barriers, and both directly affecting core program elements. In contrast, Greenberg and et al. (2005) [6] suggest that adaptation can coexist with fidelity. OAH's emphasis on fidelity of implementation required grantees to find that balance and to develop solutions to unanticipated challenges that enhanced rather than eroded the program model.

**The TPP replication study**

The 5-year federally funded TPP Replication Study evaluation includes an impact evaluation study and a comprehensive implementation study. The evaluation incorporates nine rigorous experimental evaluations of grants awarded by OAH in 2010. Three of the nine grantees selected for the study are replicating Reducing the Risk, a widely used curriculum-based sexuality education program, whose 16 sessions are usually delivered in schools with students aged 14—19 years. Three other grantees are replicating Cuídate!, an HIV/AIDS prevention program, culturally tailored to Latino adolescents aged 13—19 years and delivered over six sessions in small groups that may be either single sex or mixed gender. The third set of grantees are replicating Safer Sex, a clinic-based program to prevent sexually transmitted disease (STD) that targets sexually active females aged 14—19 years. The program is delivered individually to participants by a trained health educator using a motivational interviewing process. Participants complete an initial 1-hour session and then three subsequent booster sessions over a 6-month period. Table 1 lists key characteristics of the grantee, the model tested, and the population targeted.

**The implementation study**

The goals of the implementation study are as follows:

- To provide an in-depth description of the intervention as planned and implemented in each of the replication sites for the three models;
- To document the extent to which program models are implemented with fidelity and are able to meet their performance goals;
- To examine barriers and challenges to implementation in each of the sites to arrive at a qualitative understanding of why replication efforts did or did not reproduce the impacts reported in the original study;
- To identify and describe the services available to and used by youth in the control groups; and
- To explore linking aspects of program implementation to variation in program impacts, in the event that the impact study identifies such variation.

Underlying these goals are two questions that arise in many research fields, namely the extent to which multiple high-quality replications of a program model are feasible, and the factors internal and external to the program that affect replication.

To guide the specification of data needed to address these goals and the research questions that flow from them, the study uses a framework that builds on the work of Berkel and et al. (Op.cit.) and others, to identify aspects of implementation that have been shown to affect program outcomes, as well as the factors internal and external to the grantee that affect implementation. Figure 1 shows the proposed framework.

**Methods**

The information presented below is drawn from a much larger body of data that are being collected for the implementation study. Table 2 lists the data needs, sources, and data collection strategies for the study as a whole. Collection of these data is ongoing and will continue through spring 2014. This article relies on a small subset of this information collected early in the first implementation year. Sources of information for the article include grantee and program documents and reports; notes made by study staff during site recruitment; ongoing communication with grantee and partner staff; and semi-structured telephone interviews with program staff.

The information was compiled within site and then reviewed to extract model-specific themes that were identified by multiple sites implementing the model.

**Results**

**Early implementation challenges**

Intervention goals and strategies varied by program model, as did the challenges encountered as grantees attempted to replicate each program model with fidelity. Below, we discuss
<table>
<thead>
<tr>
<th>Program model, grantee</th>
<th>Program description</th>
<th>Study location</th>
<th>Target population</th>
<th>Demographics (from proposal description)</th>
<th>Program duration and intensity</th>
<th>Program setting</th>
<th>Program delivered by</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reducing the Risk</td>
<td>Sexual health and risk prevention curriculum delivered to groups in schools or in community settings</td>
<td>13 high schools throughout CA (46 classes)</td>
<td>High school students</td>
<td>62% white, 20% Hispanic, 9% Asian, 2% African-American, 2% Native American</td>
<td>16 45-minute sessions, which can be doubled up</td>
<td>High schools</td>
<td>Teachers</td>
</tr>
<tr>
<td>Better Family Life</td>
<td>St. Louis and East St. Louis, MO</td>
<td>Ninth graders</td>
<td>98% African-American; low SES (75% eligible for free/reduced-price lunch in St. Louis City); high risk for teen births and STDs</td>
<td>16 sessions delivered over 8–16 weeks, depending on school schedule</td>
<td>Noncore classes in six high schools</td>
<td>Health educators trained and employed by BFL</td>
<td></td>
</tr>
<tr>
<td>LifeWorks</td>
<td>Austin, TX</td>
<td>Ninth graders (with small numbers of tenth and eleventh graders)</td>
<td>75% minority youth, almost all below poverty level; teen pregnancy rates are increasing (37 pregnancies per 1,000 female high school students in 2006–2009); high rate of STDs</td>
<td>16 sessions delivered over 8 weeks</td>
<td>Health classes in four high schools</td>
<td>Health educators trained and employed by Planned Parenthood (grant partner)</td>
<td></td>
</tr>
<tr>
<td>San Diego Youth Services</td>
<td>San Diego County, CA</td>
<td>Ninth graders (one school with eighth graders)</td>
<td>Very diverse population; youth at risk for involvement with the juvenile justice system or mandated to receive services by a judge or probation officer; “teen pregnancy hotspots” identified by the state</td>
<td>16 sessions delivered over 8–16 weeks depending on school schedule</td>
<td>PE/health classes in seven high schools</td>
<td>Health educators trained and employed by five agency grant partners</td>
<td></td>
</tr>
<tr>
<td>San Diego Youth Services</td>
<td>San Diego County, CA</td>
<td>Youth 13–19 years of age enrolled in community agency programs (some diversion by juvenile justice system)</td>
<td>Very diverse population; youth at risk for involvement with the juvenile justice system or mandated to receive services by a judge or probation officer; “teen pregnancy hotspots” identified by the state</td>
<td>16 sessions delivered over 2–3 weeks</td>
<td>Five community agencies</td>
<td>Health educators trained and employed by five agency grant partners</td>
<td></td>
</tr>
<tr>
<td>¡Cuidate!</td>
<td>Saturday program serving neighborhoods in northeast Philadelphia</td>
<td>Adolescents 13–18 years of age, mixed gender</td>
<td>All Latino, 85% Puerto Rican</td>
<td>Six 1-hour sessions that can be delivered over 2 days to 6 weeks</td>
<td>After-school programs or community-based organizations</td>
<td>Trained facilitators</td>
<td></td>
</tr>
<tr>
<td>Touchstone Behavioral Health</td>
<td>Approved adaptation added one session on pregnancy prevention. Seven sessions once a week for 7 weeks</td>
<td>Phoenix, AZ</td>
<td>Eighth graders</td>
<td>Approved adaptation added one session on pregnancy prevention. Seven sessions once a week for 7 weeks</td>
<td>Noncore classes in 10 middle schools</td>
<td>Facilitators trained and hired by TBH</td>
<td></td>
</tr>
<tr>
<td>La Alianza Hispana</td>
<td>Boston, Chelsea and Lawrence, MA</td>
<td>Ninth graders (some 10th and 11th graders)</td>
<td>62%–78% Hispanic, 9%–20% white, 4%–25% African-American; 68%–88% free/reduced-price lunch</td>
<td>Six sessions once a week for 6 weeks</td>
<td>Noncore classes in two high schools, after school program in two high schools</td>
<td>Facilitators trained and hired by LAH</td>
<td></td>
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</tbody>
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</tr>
</thead>
<tbody>
<tr>
<td>Community Action Program of San Luis Obispo</td>
<td>SLO county, CA</td>
<td>Ninth graders</td>
<td>29%–47% Hispanic, 47%–64% white, 1%–3% African-American; 35%–50% free/reduced-price lunch</td>
<td>Approved adaptation added two sessions on STDs and pregnancy prevention. Eight sessions over 8 weeks</td>
<td>Pullout sessions during school day in three high schools</td>
<td>Facilitators trained and hired by CAPSLO</td>
</tr>
<tr>
<td>Safer Sex&lt;sup&gt;a&lt;/sup&gt;</td>
<td>HIV/AIDS prevention program for high-risk females 13–19 years of age</td>
<td>Urban children's hospital; adolescent clinic</td>
<td>Adolescent females who are not pregnant</td>
<td>Initial 1-hour face-to-face session with three 30-minute booster sessions over 6-month period</td>
<td>Health clinics</td>
<td>Female health educator</td>
</tr>
<tr>
<td>Planned Parenthood of Greater Orlando</td>
<td>Orange County and adjacent counties, FL</td>
<td>Sexually active females 15–19 years of age, who are not pregnant</td>
<td>72% white, 21% African-American, 25% Hispanic, 5% Asian; 41% of children living in economic hardship; high rates of STDs</td>
<td>Two PPGO reproductive health clinics in Orlando</td>
<td>Health educators trained and hired by PPGO</td>
<td></td>
</tr>
<tr>
<td>Knox County Health Department</td>
<td>Knox County and adjacent counties, TN</td>
<td>Sexually active females 14–19 years of age who are not pregnant</td>
<td>89% white, 9% black, 19% females aged 15–19 years are Latina; poverty rates up to 34% for children under 18 years of age; many teens from high-risk situations; serve children in state custody</td>
<td>16 reproductive health, adolescent health clinics</td>
<td>Health educators trained and hired by Knox County Health Department and grant partners</td>
<td></td>
</tr>
<tr>
<td>Hennepin County Health Department</td>
<td>Hennepin County, MN</td>
<td>Sexually active females 14–19 years of age who are not pregnant</td>
<td>32% African-American, 10% Latino, 46% Caucasian; large disparities in family income by race/ethnicity; sites selected for program implementation have teen birth rates approaching or exceeding the national teen birth rate</td>
<td>20 reproductive health, adolescent health, school-based health clinics</td>
<td>Health educators trained and hired by Hennepin County and grant partners</td>
<td></td>
</tr>
</tbody>
</table>

PE = planning and evaluation; SES = socio-economic status.

<sup>a</sup> This study found no effects after 6 months, but after 18 months, female, but not male, adolescents in the program who were sexually inexperienced at baseline were significantly less likely to report having had unprotected sex. No significant effects were found on sexual initiation, recent sexual activity, or pregnancy [7].

<sup>b</sup> This study found that adolescents in the program were significantly less likely to report having had sexual intercourse and multiple partners in the previous 3 months; they reported significantly fewer days of unprotected sex and more consistent condom use. No significant effects were found on condom use at last sex or the proportion of days of sexual intercourse that were condom protected [6].

<sup>c</sup> This study found no effects 1 month after the program, but 6 months after the program, adolescents who participated in the program were significantly less likely to report having had another sexual partner, aside from their main partner, in the previous 6 months [9].
challenges encountered and solutions devised for each of the three models.

Reducing the Risk

All three grantees are implementing the program in schools with eighth and ninth graders [7]. In addition, one grantee is delivering the program in community-based settings with youth involved in the juvenile justice system. In schools, the length of the program poses a challenge as does its suitability for younger (eighth grade) students. In community settings, the length of the program affected program delivery somewhat differently—by making it difficult to retain participants after they left the jurisdiction of the juvenile justice system. In both settings, some homework assignments present a challenge.

School schedules and class sizes. The curriculum is designed to be delivered in 16 lessons that last 50–60 minutes but can be compressed into eight sessions covering two lessons each. Some schools have moved to block scheduling, which makes it possible to deliver the program comfortably over one semester, even with interruptions in the school schedule, and also to cover the materials of two sessions. One grantee was able to negotiate delivery of the program twice a week, rather than on the more common once weekly schedule. Again this made it possible to fit the program into a single semester. However, the length of the class session was often 45 minutes rather than the required 50–60 minutes. This compressed schedule made it difficult to cover all the materials and activities required for the session. The fidelity checklists provided by OAH helped facilitators keep track of the materials covered, but they needed to develop strategies to move more quickly through specific sessions.

An additional challenge was presented in some schools by the expansion of class sizes, as a consequence of budget cuts and subsequent teacher layoffs. The program is designed to be delivered in classes of approximately 15–20 students; in reality, some classes contained 40 or more students. In response, the number of facilitators was doubled in those classes.

Age of students. The curriculum is advertised as appropriate for youth 14–19 years of age, and, in general, facilitators found this to be correct. However, those who delivered the program to eighth graders found that students often lacked basic information about reproductive anatomy and therefore lacked the context for understanding material on contraceptive methods. Given the tight schedules that they faced, facilitators found it difficult to fit additional materials into the curriculum; they often used posters and a brief explanation at the beginning of the session.

Retaining participants. Retention was generally not a challenge in school settings. In community-based settings, in contrast, retaining participants once they left the jurisdiction of the juvenile justice system was a serious issue. Grantee staff used incentives to draw youth back to the program (e.g., offering door prizes, t-shirts). Each of these strategies had some limited success, but program staff acknowledged that a major problem remained because of the extreme mobility of many youth once they were no longer under the auspices of the juvenile justice system.

Homework assignments. An important homework assignment given to students was to identify and visit a clinic that could provide advice on contraceptives and condoms. Characteristically, this homework assignment was completed by a minority of students, either because of their own reluctance or opposition from their parents. When students did attempt the assignment, they sometimes had an unpleasant experience at the clinic (staff were busy, not receptive to the assignment)—the opposite of what the program intended. Some facilitators responded by identifying and preparing specific clinics ahead of time, to ensure a positive reception. Others are exploring the possibility of a "virtual" visit, via interactive video.

¡Cuidate!

The program was originally tested in a community-based setting with almost entirely Puerto Rican Latino youth [8]. The
grantees replicating this program faced the challenge of offering the program in schools that serve a variety of ethnicities without appearing to target a single ethnic group. All are implementing it in schools, usually as part of the school day. The one grantee who attempted to implement it as an after-school program faced difficulties in recruiting and retaining participants. Finally, the curriculum focused rather narrowly on HIV/AIDS prevention; the goals of the OAH initiative are broader and include prevention of other STDs as well as pregnancy prevention. As in reducing the Risk, younger participants often lacked the knowledge of reproductive anatomy necessary to comprehend some of the materials on contraception, and a frequent adaptation request was to add material to address this issue.

Targeting an ethnic group in school settings. In one of the three replications, the overwhelming majority of the students in the school are Latino, so the issue of minority targeting did not arise. However, in other sites, it has been politically difficult to provide an intervention that is intended solely for Latino youth during the regular school day. The developer makes clear that the messages delivered by the program apply across ethnic groups; the program simply uses Latino cultural references and materials. The solution in one of the sites was to offer as an alternative the program from which ¡Cuídate! was derived (Be Proud! Be Responsible!). Students are free to choose either program, removing any potential stigma. However, potential implementers need to be aware that this essentially doubles the cost of curricula and training.

Another solution tried was to offer the program as an optional after-school activity specifically for Latino youth. Although this was acceptable to schools, it proved unsatisfactory: the grantee had difficulties in recruiting youth and then in retaining them. In addition to transportation problems, many students had after-school responsibilities (e.g., caring for younger siblings). Attendance was inconsistent even for those students who initially agreed to participate, resulting in unacceptably small groups. Before implementing the program as an after-school offering, it would be important to investigate the barriers that students may face in specific schools.

Gaps in the curriculum. Both ¡Cuídate! and Be Proud! Be Responsible! are designed as HIV/AIDS prevention programs. The two obvious gaps in the curriculum are other STDs and pregnancy prevention. In California, the state mandates specific coverage of these two topics, so the grantee in San Luis Obispo needed to add two sessions to the original six to comply with state requirements. OAH encouraged other grantees to add a session or expand the coverage of the topics in the existing sessions.

A less obvious gap in the curriculum is the absence of information on reproductive anatomy, which grantees found essential for any discussion of contraception, particularly with younger participants. Usually grantees solved this problem by incorporating appropriate information at the beginning of the relevant session.

Safer Sex

The three grantees replicating Safer Sex faced challenges identifying, recruiting, and retaining participants. The original implementation and evaluation of the program conducted by the model developer targeted females below the age of 24 who were being treated for an STD at a hospital clinic and who were required to return to the clinic three times over a 6-month period for follow-up treatment. The three booster sessions, which followed the initial session, were timed to coincide with the follow-up treatments [9].

Identifying the target population. All three of the replications of Safer Sex proposed to broaden the target population for the intervention from females diagnosed with an STD to sexually active females and to narrow the age range to 14- to 19-year-olds [10]. The ideal targets for services, from the developer’s perspective, were young women who had not yet made the decision to change their behavior in ways that would protect them from STDs and unplanned pregnancy. However, identifying these young women in a systematic way was not an easy task. At the outset, program staff relied on clinicians to make the initial identification and referral for the program. In some instances, the requisite relationships and processes were not yet in place—buy-in on the part of the clinicians who didn’t always have knowledge or understanding of how the intervention could be integrated into the array of clinic services, a way to screen out the highly motivated young women who were not the ideal targets for the intervention. Program staff worked very hard to integrate the identification and referral process into standard clinic practice and to cultivate relationships with clinic staff (a task that became easier once the intervention was up and running, and clinicians could, themselves, see a benefit). Beyond that, programs looked externally for referrals, either to existing partner organizations or to other youth serving agencies in the community.

Once a referral was made, the health educator or program staff would begin outreach and recruitment. Over time, program staff were more comfortable with recruiting/serving the broader population, regardless of perceived motivation level at the time of enrollment. This was in part due to experience with implementing the intervention over time and the recognition that sexually active teens are highly labile and likely to switch back and forth between risky behavior and protective behavior, depending on their current sexual relationship.

Recruiting and retaining participants. Once a young woman was identified, there was an additional struggle to get them to participate. Young women came into the clinic seeking treatment or services, and recruitment often took place immediately following service receipt, requiring an extra time commitment (almost always unanticipated). Beyond the logistics, there was not always a perceived need on the part of potentially eligible young women, and health educators had to work hard to make the program enticing—through the use of creative media strategies and advertisements or incentives (such as condom key chains or books).

Retaining young women in the program for the 6-month duration was also a challenge. Health educators constantly struggled with the chaotic and unpredictable schedules of adolescents, limited transportation options, and limited clinic service hours. The need for flexibility in scheduling was critical. In many instances, clinics offered extended hours. In at least one of the program sites, the use of social media and technology was an integral part of keeping participants connected to the intervention and program messages. During the initial session, health educators assessed a participant’s available technology and interest in conducting booster sessions via video-conferencing (with software such as Skype, FaceTime, or other video chat and instant messaging software) and then offered that as an option if it was feasible.
Monitoring and feedback. Because of the individualized nature of the intervention, fidelity observations were not required by OAH, and for the most part, program staff deemed them not feasible. The grantees each relied heavily on the fidelity monitoring log as well as on the mechanisms they developed themselves for assessing the qualities and skills of the health educators. This was often through observing roleplays (using health educators, nonprogram participants, or young women who had been through the pilot and were no longer receiving the intervention).

Summary of Lessons Learned

The implementation experiences of this set of grantees offer a unique opportunity to learn, systematically and in depth, how these three evidence-based program models are being implemented and the challenges that are likely to be encountered by others in the field. Each of the grantees made planned adaptations to the program model almost always to improve the fit with either the population or the community. For the ¡Cuídate! programs, this took the form of adding material to address gaps in knowledge of program participants and, in some instances, modifying specific units to address concerns of key constituents (or offering an alternative curriculum). Reducing the Risk grantees modified roleplays or homework assignments to bolster the learning experience of participants. Safer Sex grantees broadened the population served, allowing clinics to offer the program to more young women. Beyond trying to improve the fit with program participants, grantees contended with internal and external constraints that influenced the ability to implement the program, such as school schedules, lack of support for or understanding of the program within the sponsoring organization, or political climate.

The discussion here reflects some of the complexities that should be carefully considered when choosing to implement evidence-based programs and retain fidelity to the program model. Each of the grantees highlighted here struggled in some way with making the program fit, either within the community, the organization, or with program participants. In response to implementation challenges, grantees made changes to the programs that adhered to requirements for fidelity while strengthening the programs to fit different sets of needs. Investing time upfront for planning goes a long way to increasing the likelihood of success in implementing the program with fidelity. At the same time, it is important to recognize that not everything that may influence implementation can be anticipated ahead of time, and there is a need for communication and monitoring throughout the period of implementation. The information that will be generated from this evaluation effort as well as the numerous TPP program grantee-led evaluations is advancing the understanding of what it takes to implement evidence-based programs for teenage pregnancy prevention.

Table 2

<table>
<thead>
<tr>
<th>Framework elements and constructs</th>
<th>Data sources</th>
<th>Data collection strategy</th>
</tr>
</thead>
</table>
| Readiness/preparation             | Proposal and other program documents  
Grantee and partner staff | Review and extract information  
Conduct semi-structured interviews (1) by telephone and (2) in person |
| Staff selection and preparation   | Grantee and partner staff | Conduct semi-structured interviews (1) by telephone and (2) in person |
| Specificity of program model      | Instructions/guidance provided by developer and OAH  
Grantee staff | Review and extract information  
Conduct semi-structured interviews (1) by telephone and (2) in person |
| Site-specific replication plan    | Proposal, annual report after pilot year  
Grantee and partner staff  
Stakeholders | Review and extract information  
Conduct semi-structured interviews (1) by telephone and (2) in person |
| Stakeholder support               | Grantee and partner supervisory and frontline staff | Conduct semi-structured interviews (1) by telephone and (2) in person |
| Administrative and supervisory supports | Grantee and partner supervisory and frontline staff  
Fidelity checklists | Conduct semi-structured interviews (1) by telephone and (2) in person |
| Extent to which the intervention was implemented as planned | Grantee and partner supervisory and frontline staff  
Fidelity checklists | Obtain data reported to OAH and re-analyze  
Focus group discussions with youth |
| Service quality                   | Required observations  
Program participants | Obtain data reported to OAH and re-analyze  
Review and extract information  
Conduct semi-structured interviews (1) by telephone and (2) in person |
| Adaptations                       | Adaptation requests submitted to OAH  
Grantee and partner supervisory and frontline staff | Conduct semi-structured interviews (1) by telephone and (2) in person |
| Community context                 | Proposal  
Local and national survey data  
Grantee and partner supervisory and frontline staff  
Grantee and partner supervisory and frontline staff | Review and extract information  
Conduct semi-structured interviews (1) by telephone and (2) in person |
| Level of community risk           | Attendance data  
Grantee and partner supervisory and frontline staff  
School staff  
Program sessions  
Program participants | Review and extract information  
Conduct semi-structured interviews (1) by telephone and (2) in person  
Obtain data reported to OAH and re-analyze  
Conduct in person semi-structured interviews  
Obtain data reported to OAH and re-analyze  
Conduct semi-structured interviews (1) by telephone and (2) in person |
| Community resources               | Grantee and partner supervisory and frontline staff | Focus group discussions with youth |
| Participant responsiveness         | Focus group discussions with youth |

OAH — Office of Adolescent Health.
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References

[8] A program offered on a weekend day to youth recruited from schools and community settings. Non-Latino youth were not precluded from participating in the program, but they were excluded from the analysis. Villarruel AM, Jemmott JB, Jemmott LS. A randomized controlled trial testing an HIV prevention intervention for Latino youth. Arch Pediatr Adolesc Med 2001;155:73–9.
[10] As in the original study (Schrier et al., ibid), pregnant teens were not eligible for the intervention.