Why We Need Evidence-Based, Community-Wide Approaches for Prevention of Teen Pregnancy

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Abstract

Teen pregnancy and childbearing have declined over the past two decades to historic lows. The most recent declines have occurred during a time of coordinated national efforts focused on teen pregnancy. This article highlights a federal partnership to reduce teen pregnancy through the implementation of innovative, evidence-based approaches in affected communities, with a focus on reaching African-American and Latino/Hispanic youth. This initiative has the potential to transform the design and implementation of future teen pregnancy prevention efforts and provide a model that can be replicated in communities across the nation.

Keywords

Adolescent pregnancy; Unintended pregnancy; Sexual behavior; Primary prevention

There is a cause for celebration as teen pregnancy\textsuperscript{[1]} and childbearing\textsuperscript{[2]} in the United States have continued their declines over the past two decades to historic lows—57.4 pregnancies and 24.2 births per 1,000 female teens aged 15–19 years. This marked decline has resulted from the combined effect of more teens delaying sexual activity and for those who are sexually active, more using contraception,\textsuperscript{[3,4]} especially methods that are highly effective\textsuperscript{[5]}. The most recent declines have occurred during a remarkable time of coordinated national efforts focused on teen pregnancy, highlighted by the establishment of the federal Teen Pregnancy Prevention Program\textsuperscript{[6]} introduced by President Obama in the appropriations bill for fiscal year 2010. This initiative represents the largest federal program ever directed at the behavioral, social, and public health issues associated with teen pregnancy prevention, and is the first to focus solely on interventions with evidence of effectiveness and testing new approaches and strategies, and has led to the establishment of the Office of Adolescent Health (OAH)\textsuperscript{[6]}. As part of this new program, OAH partnered...
with CDC’s Division of Reproductive Health to test a set of innovative community-wide approaches to reduce teen pregnancies and births by involving more teens in evidence-based programs and improving linkages between prevention programs and clinical services.

Aligning with federal efforts of the Teen Pregnancy Prevention Program, CDC also identified teen pregnancy as one of the agency’s six “Winnable Battles” for improving our nation’s health, i.e., a public health priority associated with known, effective strategies that have sufficient potential to make a large-scale impact on health [7]. A health impact pyramid adapted from the work of former CDC Director, Dr. Thomas Frieden, [8] (Figure 1) has served as the framework and foundation for the agency’s approach to addressing teen pregnancy by outlining changes needed in policy, program, clinical, and public health practices at the national, state, and community levels. The top tier of the pyramid, counseling and educational interventions, supports the use of evidence-based, medically accurate, and culturally and age-appropriate sexual health education (Figure 2). Such focused interventions are likely to be effective at changing individual behavior yet may not reach the entire population of teens at risk for pregnancy. The next level, strengthening clinical interventions, focuses on removing medical barriers to contraceptive use for teens and promoting the delivery of quality family planning services for all women, including adolescents. For example, evidence-based clinical guidance issued by CDC [9] affirms that the full range of contraceptive methods may be safely used by women of any reproductive age, including adolescents. Other guidance aims to reduce clinical barriers to providing contraceptive methods to clients [10] and improve the clinic environment for clients seeking contraceptive services, particularly adolescents [11]. In addition, provisions of the Affordable Care Act [12] remove cost barriers for women, including adolescents, by stipulating that 18 Food and Drug Administration–approved contraceptive methods must be covered with no copays, cost sharing, or deductibles. The third level, promoting long-lasting preventive interventions, aims to shift the use of contraception toward more effective methods by offering sexually active teens, including those who are already parents, the full range of Food and Drug Administration–approved methods, including long-acting reversible contraception (LARC), specifically intrauterine devices and contraceptive implants. LARC is safe and appropriate for teens, and major professional societies, including the American College of Obstetricians and Gynecologists and the American Academy of Pediatrics, [13,14] have endorsed LARC as a first-line contraceptive choice for teens. The fourth level involves changing the context to encourage healthy decisions, by promoting positive parent-child communication and addressing social norms toward teen sexual behavior and policies that promote access to effective contraception. The base level of the pyramid represents the need to address socioeconomic factors that contribute to teen pregnancy by promoting family and community engagement, educational achievement, and positive youth development. Compared with other teens, teen parents—particularly younger teen parents—[15,16] are far less likely to complete high school and obtain employment. Although all levels of the pyramid offer opportunities for impact, the interventions with the greatest potential to affect population-level health (i.e., reduction in teen pregnancy and birth) tend to be the most complex and are found at the base.

The Teen Pregnancy Prevention Program (TPP) supports public and private entities to replicate evidence-based teen pregnancy prevention programs that have been proven
effective through rigorous evaluation and to implement and evaluate innovative program
models to reduce teen pregnancy [17]. The partnership between OAH and CDC evaluating
community-wide approaches to teen pregnancy prevention (http://www.cdc.gov/
TeenPregnancy/PreventTeenPreg.htm.) provides an opportunity to develop and test
innovative models. Through this collaboration, five years of funding of up to $10 million
annually was provided by OAH through the TPP program to support demonstration projects
conducted by local health departments, community-based organizations, and state teen
pregnancy prevention programs. These projects tested innovative, sustainable, and
multicomponent initiatives in 10 communities that were most affected by teen pregnancy,
with national partners funded by CDC providing tailored training and technical assistance
for these projects.

Results of this partnership are highlighted in this special issue of the Journal of Adolescent
Health, where we describe the implementation of these initiatives to reduce teen pregnancy
and births, with a focus on reaching African-American and Latino/Hispanic youth aged 15–
19 years. In collaboration with public and private partners who provide direct services and
support to youth (e.g., health centers, schools, faith-based organizations, and youth-serving
organizations), various articles describe the expertise and tools that communities need to
prevent teen pregnancy and promote adolescent health. If proven effective, this effort has the
potential to transform the design and implementation of teen pregnancy prevention efforts in
the future and provide a model that can be replicated in communities across the nation.

In this issue, an overview of the community-wide initiative [18] is provided and lessons
learned and how this approach advances the field of teen pregnancy prevention. This body of
work includes the important role that capacity building plays in the successful
implementation of evidenced-based interventions for youth at increased risk for teen
pregnancy [19]. Efforts to improve the ability of health centers to implement evidence-based
clinical practices and reproductive health services in a youth-friendly manner are described,
[20] as are methods for monitoring implementation progress and rigorously evaluating the
effectiveness of the community-wide initiatives [21]. In addition, grantees from five
communities [22–26] describe their experiences on the frontline to help prevent teen
pregnancy. These articles describe strategies used to successfully determine community
readiness to implement community-wide initiatives [22], seek information from African-
American and Latino youth on their reproductive health needs [23], educate stakeholders
and mobilize the community in support of sexual health education [24], and link youth to
reproductive health services [25,26].

In summary, the steps for reducing teen pregnancy implemented in the community-wide
initiative build on the existing strengths of CDC, the OAH, and other federal partners and are
designed in such a way to maximize nationwide impact. The lessons learned from these
initiatives will enable communities to be better prepared to meet the needs of teens and have
already served as a springboard to inform the Teen Pregnancy Prevention Replication efforts
by OAH in its most recent announcement of new grants for fiscal years 2015–2019 [27]. We
believe that these efforts will help further delay initiation of sexual intercourse, increase the
availability and accessibility of effective methods of contraception, including LARC, to
teens contemplating sexual activity, and ultimately contribute to reduced rates of teen pregnancy.

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Figure 1.
The Health Impact Pyramid. Thomas R. Frieden. A Framework for Public Health Action: The Health Impact Pyramid. American Journal of Public Health: April 2010, Vol. 100, No. 4, pp. 590-595. 10.2105/AJPH.2009.185652.
Figure 2.
The Health Impact Pyramid as adapted to teen pregnancy prevention. Adapted from Thomas R. Frieden. A Framework for Public Health Action: The Health Impact Pyramid. American Journal of Public Health: April 2010, Vol. 100, No. 4, pp. 590-595. 10.2105/AJPH.2009.185652. LARC = long-acting reversible contraception; PYD = positive youth development.