Preexposure Prophylaxis and Patient Centeredness: A Call for Holistically Protecting and Promoting the Health of Gay Men

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Abstract
Preexposure prophylaxis has transformed HIV prevention, becoming widespread in communities of gay and bisexual men in the developed world in a short time. There is a broad concern that preexposure prophylaxis will discourage condom use among gay men (i.e., “risk compensation”). This commentary argues for broadening the focus on gay men’s health beyond sexual health to address the holistic health and well-being of gay men. Gay men may benefit from being offered candid, nonjudgmental health promotion/HIV prevention messages not requiring condom use for anal sex. Lessons can be drawn from the family planning movement, which has undergone a similar shift in focus. The principle of patient centeredness supports such a shift in gay men’s health toward the goal of providing men with the knowledge to evaluate various prevention approaches according to the specifics of their life circumstances and health needs. Bringing more nuance to discussions of sexual risk and sexual pleasure could facilitate more universally healthy attitudes regarding sex among gay men, in turn enabling healthier decisions more compatible with men’s own values and preferences.

Keywords
HIV/AIDS, sexual health, gay, risk factors, sexually transmitted diseases/infections

Introduction
In the time since studies initially demonstrated the efficacy of antiretroviral therapy as preexposure prophylaxis (PrEP) to prevent sexual transmission of the human immunodeficiency virus (HIV; Baeten et al., 2012; Grant et al., 2010), the landscape of HIV prevention has changed dramatically. The topic of PrEP has elicited debate and controversy, even long before it was a reality. The numerous critiques of PrEP as a prevention modality include the possibility that PrEP will discourage condom use among gay men (i.e., “risk compensation”). This commentary argues for broadening the focus on gay men’s health beyond sexual health to address the holistic health and well-being of gay men. Gay men may benefit from being offered candid, nonjudgmental health promotion/HIV prevention messages not requiring condom use for anal sex. Lessons can be drawn from the family planning movement, which has undergone a similar shift in focus. The principle of patient centeredness supports such a shift in gay men’s health toward the goal of providing men with the knowledge to evaluate various prevention approaches according to the specifics of their life circumstances and health needs. Bringing more nuance to discussions of sexual risk and sexual pleasure could facilitate more universally healthy attitudes regarding sex among gay men, in turn enabling healthier decisions more compatible with men’s own values and preferences.

The Changing Landscape of HIV Prevention
After proof of efficacy, the move toward broader PrEP access has been gradual, from the Centers for Disease Control and Prevention’s (CDC) interim guidelines on public health messaging directed toward gay men. Lessons can be drawn from the field of family planning to argue that decreasing the focus on sex as a mechanism of disease transmission, and condoms as the best tool to combat this disease, could increase the sexual health, satisfaction, and well-being of gay men.

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PrEP use in 2011, through U.S. Food and Drug Administration approval in 2012. In particular, since the CDC’s promotion of PrEP use in specific U.S. populations at elevated risk for HIV infection in 2014 (U.S. Public Health Service & CDC, 2014), PrEP use has become widespread in some communities of gay and bisexual men in the developed world (Volk et al., 2015). Recent behavioral surveillance data from San Francisco have suggested that as much as 10% of men who have sex with men (MSM) were already using PrEP as of 2014 (Chen, Snowden, McFarland, & Raymond, 2016). The increasing uptake of PrEP among MSM provides new opportunities to study its effectiveness in community settings. Perhaps more important, the present moment in HIV prevention provides an opportunity to reflect on the past, present, and future of HIV prevention and health promotion among gay men.

Adopting a Holistic Approach to Gay Men’s Health

In its first decades, the HIV epidemic had profound impacts on medical, social, and political dimensions of life in the United States and around the globe. The toll of human suffering was enormous. Although HIV infection is now considered a manageable chronic disease with adequate health care access in developed world settings (Marcus et al., 2016; May et al., 2014), it is important to note there are still too many people without access to lifesaving medications (Hall et al., 2013; Hill & Pozniak, 2015). As well, in the United States and increasingly around the world, there is recognition that specific “most-at-risk populations” have disproportionately borne the burden of HIV infection and associated morbidity and mortality. MSM (including gay men, bisexual men, and nongay/bisexual-identified MSM) are central among these at-risk populations (UNAIDS/World Health Organization [WHO], 2011). Perhaps no community in the developed world has been more socially transformed by HIV than the gay community. The HIV epidemic catalyzed dramatic political and social changes among gay men; the broader lesbian, gay, bisexual, and transgender community; and how the rest of American society understands lesbian, gay, bisexual, and transgender people (Andriole, 1999).

Until 5 years ago, sexual health and especially HIV infection have been the focus of public health research on and messaging directed toward gay men (Boehmer, 2002; Coulter, Kenst, Bowen, & Scout, 2014). In light of the continuing integration of the gay community into the fabric of U.S. life, and also the scientific advances that have transformed the sequelae and natural history of HIV infection, it is time to reevaluate the centrality of HIV prevention in public health messaging directed toward gay men. Existing gay men’s health research has also amply examined mental health, substance use, and discrimination/bullying (Herek & Garnets, 2007; Mueller, James, Abrutyn, & Levin, 2015; Stall et al., 2001), including how these factors relate to sexual behavior and risk of HIV infection (Parsons, Grov, & Golub, 2012). In the past 5 years, research has documented important disparities between sexual minority men and their heterosexual counterparts in other areas of health (e.g., cardiovascular health, endocrine function, inflammation, and all-cause mortality; Cochrane, Bjorkenstam, & Mays, 2016; Everett, Rosario, McLaughlin, & Austin, 2014; Hatzenbuehler, McLaughlin, & Slopen, 2013).

These recent findings on gay men’s health and identity highlight that, more than just a set of sexual practices, gay men can be understood in relation to specific family structures, communities, and a set of shared experiences. The great diversity within the gay community (e.g., among cisgender and transgender men, between racial minority men and White men; Rowniak & Chesla, 2013; Sarno, Mohr, Jackson, & Fassinger, 2015; White & Stephenson, 2014) prevents assuming a homogenous “gay experience.” There are also meaningful differences between gay men, bisexual men, and other nongay-identified MSM (Siegel, Schrimshaw, Lekas, & Parsons, 2008). Nonetheless, the commonalities that connect gay men (and, in some cases, bisexual men) highlight the importance of advancing gay men’s health research beyond sexual health and mental health. The sincere desire to protect gay men’s sexual health should not come at the expense of the diverse needs, risks, and resiliencies of this community. This commentary focuses on the health of gay men, while recognizing the even more pressing knowledge gaps in bisexual and transgender men’s health, which demand to be addressed (Coulter et al., 2014).

Patient Centeredness in Sexual Health Promotion

Once the etiology of HIV transmission was definitively identified, encouraging condom use for anal sex has been the centerpiece of HIV prevention efforts directed toward the gay community. Although there are other factors that are crucial to the effectiveness of condoms for preventing HIV among gay men (e.g., condom-compatible lubricant), and other strategies have become common in practice (e.g., choosing partners of the same HIV status or basing sexual choices on undetectable viral load; Holt et al., 2015; Snowden, Raymond, & McFarland, 2009), condoms remain the core recommended HIV-prevention modality for gay men. This is evident both in common
parlance (e.g., “safe” or “protected” sex being used to mean sex with a condom) as well as in policy and clinical discussion of PrEP use (e.g., the CDC guideline that PrEP be used only as a backstop against mistakes [i.e., failure to use a condom] and condom breakage; U.S. Public Health Service & CDC, 2014).

In addition to expanding the focus of gay men’s health beyond sexual health, it is also time to reevaluate how centrally condom use figures into the HIV-prevention messages delivered to gay men. The extremely high efficacy of PrEP has now been demonstrated across more than one method of dosing (e.g., continuous and episode-based) and setting (e.g., placebo-controlled and open-label studies; Grant et al., 2014; Liu et al., 2016; McCormack et al., 2016; Molina et al., 2015; Volk et al., 2015). Furthermore, although no biomedical prevention strategy, including PrEP, is 100% effective, the complete prevention of HIV and/or other sexually transmitted infections may not be the only goal that gay men adopt in approaching their sexual decision making, or even the primary goal. For population health researchers, HIV elimination is certainly and justifiably the central goal. As patient centeredness and the values and perspectives of individual people become more central to researching, designing, and evaluating preventive and therapeutic approaches (Epstein, Fiscella, Lesser, & Stange, 2010; Porche, 2014), caution is needed in assuming that researchers’ and providers’ preferences are the same as those of the populations they study and serve.

It is possible that, on weighing the individual risks as well as the benefits of various sexual decisions and HIV/sexually transmitted infection prevention techniques, a gay man will make the informed and rational decision to use PrEP and have anal sex without a condom. The potential risks associated with this choice are clear (Clement & Hicks, 2016). Perhaps less evident in the health research literature are the potential benefits of such a choice. Benefits include sharing a level of intimacy and closeness with a partner that is not possible with a barrier (Bauermeister, Carballo-Dieguez, Ventuneac, & Dolezal, 2009; Grant & Koester, 2016). We are all as humans entitled to that level of intimacy. There is more agreement among health researchers that condomless anal sex is acceptably low risk for men in mutually exclusive, HIV-concordant, monogamous relationships (Kippax et al., 1997). This nuance around risk and safety should now be extended to different types of relationships and sexual encounters.

**What Can Be Learned From Family Planning**

Others have noted parallels between the PrEP paradigm and family planning health services (Haberer et al., 2015; Myers & Sepkowitz, 2013). The family planning movement has gone through a similar shift in focus. The family planning movement arose from the combination of two separate schools of thought that coalesced in the mid-1960s around the shared goals of birth spacing and limiting family size (CDC, 2000). This was a hybrid of the pioneering work of Margaret Sanger and others, which focused on women’s rights and prevention of unintended pregnancy, with neo-Malthusians who emphasized population control (Sinding, 2000). The modern family planning movement recognizes the importance of meeting the varied sexual and reproductive health needs of diverse populations that include adolescents, unmarried couples, and men (Casey et al., 2016; Rodriguez, Say, & Temmerman, 2014).

Family planning activists and researchers acknowledge a need to not simply prevent unintended pregnancy, but to promote sexual and reproductive health and rights through supporting individual choice (WHO, 2014). The goal is to provide individuals with the knowledge to evaluate and compare the suitability of various approaches for their specific needs and preferences, and to choose the approach or approaches that work best for their lives. In particular, there is an emphasis on providing access to methods that may be controlled by the receptive sexual partner (e.g., long-acting methods and/or some hormonal methods in the case of contraception, and PrEP in the case of HIV prevention), which empower the partner most immediately at risk for unintended pregnancy and HIV infection in a way that condoms arguably do not. Importantly, the shared goal of preventing unintended pregnancy does not lead to one method being universally advocated for. Researchers, health care providers, and public health professionals who work on gay men’s health should adopt similarly nuanced thinking and messaging in describing men’s options to them, and supporting them in making informed choices that work for their lives.

This analogy is not perfect. Unintended pregnancy is not HIV infection, and PrEP is not contraception. However, while acknowledging these differences, it is important to consider the parallels and what they imply. One parallel is that a central purpose of sex—whether between men or between a man and a woman—is often to achieve pleasure (Grant & Koester, 2016; WHO, 2006). Although the goals of preventing unintended pregnancy and preventing HIV infection are important, and are frequently the focus for health researchers, they are often only ancillary goals to people who are having sex.

There is now ample research documenting the worry and fear that some gay men experience when considering and practicing anal sex (Starks, Rendina, Breslow, Parsons, & Golub, 2013). Although some level of worry is universal to all people, the legacy of the HIV epidemic affects gay men in particular ways, and has added particular resonance—and stigma—specifically to the act of anal sex. Without abandoning discussions of anal sex and
HIV risk, this commentary proposes a more holistic approach toward gay men’s health. Bringing more nuance to discussions of sexual risk and sexual pleasure could facilitate more universally healthy attitudes regarding sex among gay men. This might in turn enable healthier decisions more compatible with men’s own values and preferences. Thus, broadening the discussion of gay men’s sexual health is a step closer toward achieving the WHO’s (2006) definition of sexual health as a “state of physical, emotional, mental and social well-being in relation to sexuality, . . . not merely the absence of disease, dysfunction or infirmity.”

Conclusions

Given the disproportionate burden of the HIV epidemic that continues to be borne by gay men—particularly gay and bisexual men of African descent (Millett, Jeffries, et al., 2012; Millett, Peterson, et al., 2012)—preventing HIV must remain part of the public health messaging delivered to gay men. Without vigilance, PrEP itself may exacerbate such racial/ethnic disparities in HIV infection among gay men, especially given that it requires access to and trustful engagement in the health care system. Condoms have been and will continue to be an integral part of many men’s HIV-prevention strategies. However, it is now important to consider the potential benefits of incorporating candid, nonjudgmental discussion of HIV-prevention techniques not requiring condom use for anal sex into health promotion messaging for gay men. These messages should not replace discussions of HIV prevention and condom use, but they may serve to broaden the scope of how gay men understand their health, their sexuality, and themselves. Such an approach is not without health risks but it also has potential benefits for the health and broader well-being of gay men.

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