The ABC strategy is credited for bringing the HIV/AIDS epidemic under control in Uganda. By promoting abstinence, being faithful, and condom use, safe(r) behaviours have been identified that are applicable to people in different circumstances. However, scaling-up of antiretroviral therapy in the country raised concerns that HIV prevention messages targeting the uninfected population are not taking sufficient account of inherent complexities. Furthermore, there is debate in the country over relative importance of abstinence in reduction of HIV incidence as well as over the morality and effectiveness of condoms. The purpose of this paper is to examine each component of ABC in light of current developments. It is argued that there is still a strong justification for condom use to complement abstinence and being faithful. There is an urgent need to update and relaunch Uganda’s ABC strategy—its three elements are complementary, synergistic, and inseparable in the national HIV prevention programme.

The first cases of AIDS in Uganda were reported in 1982 from Rakai district in the south west of the country, an area bordering with the United Republic of Tanzania. The condition was popularly known as “Slim” disease, because of the extensive wasting that typically and classically characterises AIDS. Its spread was fuelled by a number of cultural and social factors including war and insecurity, poverty, traditional cultural norms, and the dominant role of men in sexual decision making.

Since the start of the epidemic, cumulatively more than two million people have been infected with HIV in Uganda (90% through heterosexual activity), and about half of these have died, making it one of the most heavily affected countries in the world. The annual incidence of new AIDS cases is between 100,000 and 120,000, and it is estimated that there were 70,000 to 100,000 new HIV infections nationwide in the year 2002 alone. Ninety per cent of Uganda’s population lives in under-served rural areas, which significantly complicates prevention, care, and mitigation activities.

However, Uganda can be cited in many respects as a success story with regard to HIV prevention and control. In 1986, President Yoweri Museveni directed the establishment of a National AIDS Control Programme (NACP), the first of its kind in Africa. This constituted the beginning of a national response to HIV/AIDS that was characterised by an environment of openness, strong political commitment, and support. The government promoted a process of active community mobilisation through civil society, school health programmes, cultural leaders, faith based organisations and, subsequently, employers.

NACP prevention activities have—in different ways at different times—been based on three main pillars, namely abstinence, being faithful, and condom use. (Nosocomial HIV infections via unsafe injections do occur in Uganda, but epidemiological evidence shows that sexual transmission is in fact by far the major mode of spread of HIV.) Collectively, these three pillars have become known as the ABC strategy, and this approach has been adopted and implemented jointly by many partners. The trinity of interventions constitutes the minimum package required to contain the spread of HIV, with different groups emphasising different components. Religious leaders generally focus on A and B, while civic and public mobilisers tend to promote all three approaches: A, B, and C. Strong political support—from the president down to local village councils—has been crucial to sustaining the ABC strategy, such that, at least in theory, every household in the country should have access to clear prevention messages.

Since the establishment of the NACP, a number of significant achievements have been reported, and these have been largely accredited to the ABC strategy. There has been a general decline in HIV seroprevalence among antenatal mothers at urban sites throughout the country, from about 30% in 1992 to 10% in 2002. The same trend has been seen in rural areas, with a decline from 14% to 5%. Furthermore, the prevalence of HIV among patients attending STI clinics has decreased from 45% in 1990 to about 19% in 2002; incidence rates in a general population cohort study in rural Masaka have also showed a decline from 7.6 to 3.2 per 1000 person years of observation; and there has been a reported decline of over 60% of casual sex among 15–49 years, a significant indicator of behaviour change. In addition, the median age of sexual debut has increased from 14 years to 17 years.

Against this background, the purpose of this paper is to briefly explore the particular characteristics of each of the three components of the ABC strategy: abstinence, being faithful, and condom use; ART, antiretroviral therapy.

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Submitted 13 January 2005
Accepted 12 March 2005

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**Abbreviations:** ABC, abstinence, being faithful, condom use; ART, antiretroviral therapy
ABC strategy, and also to put them into the context of current developments in AIDS control in Uganda. ABC has always been a dynamic and evolving strategy and the debate about it continues at community, national, and international levels. For instance, some governments and members of the international community focus strongly on abstinence for the youth, with condoms to be advocated only “as appropriate”.2

Meanwhile, there has been an enormous increase recently in the use of antiretroviral therapy (ART) for people living with HIV/AIDS in the country, and around 35 000 Ugandans are now benefiting from these lifesaving drugs. This development will necessitate scaling up of preventive messages to counteract complacency, or “behavioural disinhibition”, such as that which has been noted in some gay communities in the USA and Europe.1,2 Such complacency could lead to AIDS being seen just like any other treatable chronic illness such as diabetes. A re-invigoration of the ABC strategy is therefore required as ARVs are rolled out throughout the country.

UNPACKING THE ABC STRATEGY

As stated above, the ABC strategy has been credited with much of the success in Uganda’s reduction in HIV incidence and prevalence. The three components are closely intertwined, complementing each other in much the same way that all the critical components of a car need to be in place for it to move. None is sufficient on its own and each has contributed to the larger success that is reflected in the form of demonstrable declines in HIV incidence and prevalence.

Abstinence

The term abstinence can refer either to a situation in which a young person who has never had sex delays starting sexual activity (primary abstinence), or to a person who decides to stop sexual activity after initiation (secondary abstinence).

While reliable data are unavailable to determine the impact of secondary abstinence on HIV transmission, there has been a strong focus on promoting primary abstinence for young people in Uganda through such innovative means as Straight Talk and Young Talk. These monthly sexual health newspapers target the youth, with print runs of 155 000 and 280 000 respectively; and the increase of the median age of sexual debut in the country from 14 to 17 years is indicative of the ABC campaigns geared towards primary abstinence.

With a recent edition of Straight Talk devoted entirely to ART,11 there has been the recognition that the rapid influx of ART into Uganda has implications for young people. Therefore, programmes such as PIASCY (the Presidential Initiative on AIDS Strategy for Communication to Youth), the nationwide HIV/AIDS education programme for schools that was launched in mid-2004,14 should also be updated to take this into account and to develop appropriate messages that include ART.

Data from the Medical Research Council Programme on AIDS in rural Masaka suggest that the protective value of primary abstinence in relation to HIV can last up until the age of 19 (J Whitworth, personal communication). Within the 13–19 age group in this study, higher rates of HIV seroconversion were—as would be expected—associated with a lower median age at first sex. However, among 20–24 year olds, no difference was found in HIV seroincidence between those who had delayed age at first sex and those who had not. In this age group, younger age at first sex was associated with more casual partners and more condom use, but not with HIV infection itself: for those aged 20–24 years, it is current sexual behaviour that is important. Thus, for young people up to the age of 19 years, early age of sexual debut is clearly a risk factor for HIV infection; and, by contrast, primary abstinence is protective.

Being faithful

In its purest sense, the B of ABC entails practising sex with just one partner, in a long term or lifelong relationship such as marriage and only after determining that both partners are not infected with HIV. Shades of grey do exist, however, with, for example, polygamous marital relationships and also those who engage in serial monogamy.

Since the start of the AIDS epidemic, faith based organisations have excelled in preaching abstinence and the promotion of fidelity to their flocks. In relation to the latter, the concept of “zero grazing” was developed—this is an agricultural term that is immediately understood by anyone in this largely agrarian society, and which refers to feeding one’s livestock exclusively within the paddock. The humorous double meaning that applies to HIV prevention maintains that one keeps to an exclusive and monogamous relationship, also “within the paddock”. There is strong evidence that a large portion of the Ugandan population has taken up the practice of zero grazing, a phenomenon that has been described as being “equivalent to a highly effective vaccine” for HIV.15

Total fertility rates are currently estimated at 6.9 children per woman,6 scarcely down from the seven children per woman that was reported in the late 1980s.7 This is evidence that women today are engaging in a similar number of unprotected sexual contacts as they did 15 years ago or so. Despite this, however, HIV prevalence and incidence have demonstrably fallen over the same period, and especially so among young women.7 The explanation lies in the suggestion that although these women are having roughly the same absolute number of sexual contacts as their older sisters and mothers used to, they may be having fewer sex partners—in other words, they are “being faithful”. This interpretation is supported by data from two cross sectional demographic and health surveys, conducted in 1989 and 1995, which showed a reduction of 60% in respondents who reported having had sex with a “non-regular partner” during the previous 12 months.15 The trend continued, at least among unmarried women, until another survey, conducted in 2000.1 Thus, zero grazing is a tried and tested strategy, and it should be firmly emphasised in a re-invigorated, comprehensive HIV prevention programme in the era of ART.

Condoms

When used consistently and correctly, the male condom is effective for the reduction of sexual transmission of HIV and of other sexually transmitted infections.10–24 However, the extent to which condoms have been embraced by the Ugandan public has fluctuated considerably over the years, and they have recently become the focus of an increasingly bitter public debate.

During the period immediately after the establishment of the NACP in 1986, condom promotion messages were limited to the dissemination of technical information about their role in prevention of STIs including HIV. Condom use was low during this period, because of limited publicity, low availability, and taboo—many people believed that they encouraged promiscuity. There was also considerable public resistance from some religious organisations, media groups, and political lobbies, who maintained that their moral values stood against the condom for personal, cultural, and ideological reasons. Furthermore, it was felt in some quarters that message clarity was compromised if people were asked to “Love Faithfully” while at the same time they were being encouraged to use condoms—this potentially would lead to conflicting messages.
However, as the potential contribution of condoms was increasingly recognised by public health workers, the government adopted in 1991 a policy of “quiet promotion and responsible use of condoms with appropriate education”. This formed the beginning of the comprehensive national ABC strategy. A condom policy and strategy has since evolved that effectively created a demand for condoms for the prevention of STIs, including HIV, through the establishment of a positive image for condom use. This nationwide programme has involved stakeholders from all sectors; government, health care workers, religious leaders, NGOs, academics, business community, and the private sectors. Condom uptake was immediate, which was greatest initially in the urban areas but later on even in the rural areas. The result has been that regular condom use with non-cohabiting partners rose from 5% in 1987 to over 60% in 2002; and the procurement of condoms rose from 10 million in 1994 to 30 million in 1997 and then on to 120 million in 2003.

Discussions over the extent to which all these condoms have contributed to curbing Uganda’s AIDS epidemic have sometimes revolved around ideology or conviction rather than evidence. It is clear, however, that national HIV prevalence began to fall in the late 1980s and early 1990s, with HIV prevalence among the respondents of 47%, with a prevalence of 60% among those aged between 25–29 years.

In Uganda alone, there are currently 35,000 people taking ART from an estimated 120,000 who are in need, an increase of 100% over the past 12 months.

There is a challenge in this, however: because of the current emphasis on treatment, a great deal of prevention effort is currently on those people who are known to be already infected, through the tailoring of appropriate prevention messages for patients taking ART regimens and their partners. Meanwhile, the hitherto sharp focus on the prevention needs of the uninfected population, as well as those who do not know that they are infected, is being lost.

We feel it is incumbent on all actors involved in fighting the AIDS epidemic in Africa to remember that while all due attention must of course be given to those already suffering from HIV related disease, the great majority of the population of every African country remains uninfected and therefore theoretically at risk. To ensure that they remain free of HIV, our efforts must be redoubled to identify and evaluate appropriate messages for this majority. Otherwise we face the calamitous prospect of increasing HIV prevalence (because of a decrease in AIDS related mortality because of ART), alongside an increase in HIV incidence (because of behavioural disinhibition within the general population). The long term burden to society of such a scenario would be intolerable.

Several reviews have concluded that each of A, B, and C have played a critical part in curbing the Ugandan AIDS epidemic to date, with each of the three focusing on specific groups and behaviours, as identified in this piece; and it is evident that they should each continue to do so during the era of ART. A will continue to be an essential message for young people who have not yet become sexually active. B is imperative for all those persons who have established long term and life long relationships. “Zero grazing” is an attractive and engaging health promotion concept in this largely agricultural society, and as shown in this review, it has proved to be demonstrably effective. By failing to promote it sufficiently at this crucial moment, Uganda may return towards a more “free range” approach to loving, with undesirable consequences. Finally, C will remain vital for people living with HIV and for all those people who for one reason or another are not able to abstain or to be faithful to their partners.

Abstinence, being faithful, and condom use are complementary, synergistic, and inseparable components in the country’s HIV/AIDS national prevention and control programmes, and we need to roll out these prevention messages with extra urgency now, in the era of ART.

ACKNOWLEDGEMENTS

We thank Professor Jimmy Whitworth as well as the two anonymous referees for their valuable comments on the paper.
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Revisiting the ABC strategy: HIV prevention in Uganda in the era of antiretroviral therapy

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Postgrad Med J 2005 81: 625-628
doi: 10.1136/pgmj.2005.032425